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Catalogue and General Bulletin

# ARMSTRONG STATE COLLEGE

Savannah, Georgia  
1974-1975

CT H3

Cover Pictures: Campus Scene, the original Armstrong building, Savannah Beach  
Campus Scene

A Four-Year College in the  
University System of Georgia

# ARMSTRONG STATE COLLEGE

SUMMER FALL

WINTER SPRING

1974-1975

Volume XXXIX

Number 14

*Membership in*

Southern Association of Colleges and Schools  
Association of Georgia Colleges

American Association for Colleges of  
Teacher Education

752363

● CALENDAR FOR 1974 ●			
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Department of Criminal Justice  
Department of Dental Hygiene  
Department of Education  
Department of Fine Arts  
Department of History and Political Science  
Department of Languages and Literature  
Department of Mathematics and Computer Science  
Department of Nursing  
Department of Physical Education  
Department of Psychology and Sociology

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# ACADEMIC CALENDAR

1974-1975

## SUMMER QUARTER, 1974

- |        |        |   |
|--------|--------|---|
| May    | 17.    | Freshman and transfer students should file all papers required in the application for admission by this date.               |
|        | 31.    | Transient students (for Summer Quarter only) should file all papers required in the application for admission by this date. |
| June   | 10.    | Registration. Rising Junior English Examination.  |
|        | 11.    | Classes begin.  |
|        | 12.    | Last day to register for credit.  |
|        | 13.    | Last day to enroll in any class.  |
|        | 18.    | Rising Junior English Examination.  |
|        | 19.    | Comparative Guidance and Placement Examination.   |
|        | 22.    | History and Government examinations (application deadline, May 30).   |
| July   | 2.     | Diagnostic examination for placement in beginning English classes.  |
|        | 4.     | Holiday.  |
|        | 8.     | Mid-term reports due.   |
|        | 11.    | Diagnostic examination for placement in beginning Mathematics classes.  |
|        | 15-19. | Pre-advisement for the Fall Quarter.  |
|        | 19.    | Comparative Guidance and Placement Examination.   |
| August | 5.     | Last day of classes.  |
|        | 6.     | Reading day.  |
|        | 7-9.   | Examinations.   |
|        | 9.     | Graduation.   |

## FALL QUARTER, 1974

- |           |     |   |
|-----------|-----|---|
| August    | 19. | Comparative Guidance and Placement Examination.   |
| September | 2.  | Freshman and transfer students should file all papers required in the application for admission by this date. |
|           | 5.  | Diagnostic examinations for placement in beginning English and Mathematics classes.                           |
|           | 16. | First Faculty Meeting.  |
|           | 17. | Comparative Guidance and Placement Examination.   |

- |          |        |   |
|----------|--------|---|
|          | 18.    | Orientation.  |
|          | 18.    | Advisement of sophomores, juniors, and seniors.                           |
|          | 19,20. | Registration. Rising Junior English Examination.                          |
|          | 23.    | Classes begin.  |
|          | 24.    | Last day to register for credit.  |
|          | 25.    | Last day to enroll in any class.  |
| October  | 1.     | Rising Junior English Examination.  |
|          | 19.    | History and Government examinations (application deadline, September 26). |
|          | 24.    | Diagnostic examination for placement in beginning English classes.        |
|          | 30.    | Mid-term reports due.   |
|          | 31.    | Diagnostic examination for placement in beginning Mathematics classes.    |
| November | 4-8.   | Pre-advisement for the Winter Quarter.                                    |
|          | 19.    | Comparative Guidance and Placement Examination.                           |
|          | 28,29. | Thanksgiving Holidays (Begin at 12:30 P.M. on November 27).               |
| December | 2.     | Last day of classes.  |
|          | 3.     | Reading day.  |
|          | 4-6.   | Examinations.   |
|          | 9.     | Christmas vacation begins.  |

#### WINTER QUARTER, 1975

- |          |        |   |
|----------|--------|---|
| December | 13.    | Freshman and transfer students should file all papers required in the application for admission by this date. |
| January  | 2.     | Registration. Rising Junior English Examination.  |
|          | 3.     | Classes begin.  |
|          | 6.     | Last day to register for credit.  |
|          | 7.     | Last day to enroll in any class.  |
|          | 8.     | Rising Junior Examination.  |
|          | 18.    | History and Government examinations (application deadline, December 20).                                      |
|          | 19.    | Comparative Guidance and Placement Examination.   |
|          | 31.    | Diagnostic examination for placement in beginning English classes.  |
| February | 4.     | Mid-term reports due. Diagnostic examination for placement in beginning Mathematics classes.                  |
|          | 10-14. | Pre-advisement for the Spring Quarter.  |
| March    | 10.    | Last day of classes.  |
|          | 11.    | Reading day.  |
|          | 12-14. | Examinations.   |
|          | 17-21. | Spring recess.  |

## SPRING QUARTER, 1975

- |       |  |
|-------|--|
| March | <p>7. Freshman and transfer students should file all papers required in the application for admission by this date.</p> <p>24. Registration. Rising Junior English Examination.</p> <p>25. Classes begin.</p> <p>26. Last day to register for credit.</p> <p>27. Last day to enroll in any class.</p>                  |
| April | <p>1. Rising Junior Examination.</p> <p>19. History and Government examinations (application deadline, March 28).</p> <p>24. Mid-term reports due.</p> <p>25. Diagnostic examination for placement in beginning English classes.</p> <p>29. Diagnostic examination for placement in beginning Mathematics classes.</p> |
| May   | <p>5-9. Pre-advisement for the Summer Quarter.</p> <p>24. Comparative Guidance and Placement Examination.</p> <p>30. Last day of classes.</p> <p>31. Diagnostic examination for placement in beginning Mathematics classes.</p>  |
| June  | <p>2. Reading day.</p> <p>3-5. Examinations.</p> <p>5. Graduation.</p>   |

## SUMMER QUARTER, 1975

- |      |   |
|------|---|
| May  | <p>16. Freshman and transfer students should file all papers required in the application for admission by this date.</p> <p>30. Transient students (for Summer Quarter only) should file all papers required in the application for admission by this date.</p> <p>5. Comparative Guidance and Placement Examination.</p> |
| June | <p>13. Registration. Rising Junior English Examination.</p> <p>16. Classes begin.</p> <p>17. Last day to register for credit. Rising Junior English Examination.</p> <p>18. Last day to enroll in any class.</p> <p>21. History and Government examinations (application deadline, May 30).</p>                           |
| July | <p>2. Diagnostic examination for placement in beginning English classes.</p> <p>4. Holiday.</p>   |



- 9. Diagnostic examination for placement in beginning Mathematics classes.
- 14. Mid-term reports due.
- 15. Comparative Guidance and Placement Examination.
- 14-18. Pre-advisement for the Fall Quarter.
- August 7. Last day of classes.
- 8. Reading day.
- 11-13. Examinations.
- 13. Graduation.

### FALL QUARTER, 1975

- August 15. Comparative Guidance and Placement Examination.
- September 3. Freshman and transfer students should file all papers required in the application for admission by this date.
- 5. Diagnostic examinations for placement in beginning English and Mathematics classes.
- 15. First Faculty Meeting. Comparative Guidance and Placement Examination.
- 16-19. Orientation.
- 19. Advisement of sophomores, juniors, and seniors.
- 22-23. Registration. Rising Junior English Examination.
- 24. Classes begin.
- 25. Last day to register for credit.
- 26. Last day to enroll in any class.
- October 7. Rising Junior Examination.
- 18. History and Government examinations (application deadline, September 26).
- 22. Diagnostic examination for placement in beginning English classes.
- 24. Mid-term reports due.
- 28. Diagnostic examination for placement in beginning Mathematics classes.
- November 3-7. Pre-advisement for the Winter Quarter.
- 27-28. Thanksgiving Holidays (Begin at 12:30 P.M. on November 26).
- December 4. Last day of classes.
- 5. Reading day.
- 8-10. Examinations.
- 11. Christmas Vacation begins.

# I. GOVERNING BOARD, ADMINISTRATION & FACULTY

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\*On leave of absence, Summer and Fall Quarters, 1974



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*Assistant Professor of English*

*Academic Skills Laboratory*

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University

*Acting Dean for Student Affairs*

RUBYEN M. CHAMBLESS, B.B.A., University of Georgia; M.B.A.,  
Ohio State University

*Assistant Professor of Business Administration*

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*Associate Professor of Political Science*



BERNARD J. COMASKEY, B.A., Fordham College; M.A., New York University

*Assistant Professor of History*

J. PHILLIP COOK, B.S., University of Georgia; M.Ed., West Georgia College

*Counselor*

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*Academic Skills Laboratory*

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*Instructor in Dental Hygiene*

WILLIAM E. COYLE, A.B., Emory University; M.A., Georgetown University; Ph.D., Florida State University

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*Professor of Biology*

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bonne, France

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*Savannah State College*

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*Adjunct Assistant Professor of Education*

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*and Reading*  
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*Assistant Professor of Physical Education*

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*Associate Professor of Nursing*

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*Director, Mental Health Work Program*  
*Assistant Professor of Mental Health Work*

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*Head, Department of Languages and Literature*  
*Professor of English*

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*Professor of Music*

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*Assistant Professor of Library Science*

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*Professor of English*

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*Assistant Professor of English*

EMORY H. RICHARDS, A.B., Denison University; M.B.A., Harvard University; Ph.D., Ohio State University

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*Instructor in Biology*

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*Assistant to the Head Librarian*

*Assistant Professor of Library Science*

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*Director, Social Work Program*

*Assistant Professor of Sociology*

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*Professor of English*

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*Assistant Professor of Mathematics*

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*Temporary Vocational and Guidance Counselor*

*Department of Nursing*

CHARLES T. SHIPLEY, B.A., University of North Dakota; M.A., Ph.D., University of Nebraska

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*Head, Department of Physical Education*

*Professor of Physical Education*

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*Head Librarian*

*Assistant Professor of Library Science*

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JULE R. STANFIELD, A.A., Armstrong State College  
*Comptroller*

RICHARD M. STEINKE, B.S., University of Wisconsin, Eau Claire;  
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ROBERT I. STROZIER, A.B., University of Georgia; M.A., Ph.D.,  
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*Professor of English*

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Detroit  
*Assistant Professor of English and Speech*  
*Director of the "Masquers"*

RICHARD M. SUMMERVILLE, B.S., Clarion State College; A.M.,  
Washington University; Ph.D., Syracuse University  
*Head, Department of Mathematics*  
*Professor of Mathematics*

CAROL HELEN SUTTON, B.S.N., University of South Carolina  
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BARBARA G. TANENBAUM, B.S., Medical College of Georgia  
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ZELDA TENENBAUM, B.A., University of Georgia  
*Temporary Instructor in Mental Health Work*

FRANCIS M. THORNE, III, B.S., Stetson University; Ph.D., Univer-  
sity of Georgia  
*Professor of Biology*

D. RAY TRIPP, JR., B.S., The Citadel; M.Ed., University of South  
Carolina  
*Director of Student Financial Aid*



VIRGINIA S. WALTON, B.S., University of Tennessee, Chattanooga;  
M.S., University of Tennessee, Knoxville

*Instructor in Physical Education*

PAUL E. WARD, B.S., Georgia Teachers College; M.Ed., Ed.D.,  
University of Georgia

*Associate Professor of Education*

*Director of Professional Laboratory Experiences*

ROGER K. WARLICK, B.A., Arizona State University; Ph.D.,  
Boston University

*Head, Department of History & Political Science*

*Professor of History*

JOHN A. WELSH, III, A.B., Davidson College; M.A., Vanderbilt  
University

*Assistant Professor of English*

SUSAN S. WHITE, B.S., Winthrop College; M.Ed., University of  
South Carolina

*Assistant Professor of Speech Correction*

CHARLES C. WHITE, B.S., East Carolina College; M.A., Southern  
Illinois University

*Assistant Professor of English*

MORRIS L. WHITEN, B.S., Ph.D., University of Georgia

*Assistant Professor of Physics*

JACQUELINE F. WILSON, B.A., Stillman College; M.Ed., Savannah  
State College — Armstrong State College

*Instructor in Physical Education*

WILLIAM S. WINN, B.D., A.B., Emory University; M.A., University  
of North Carolina

*Emeritus Professor of Mathematics*

\*\*JAMES W. WITT, B.A., Loyola of Los Angeles; M.A., Ph.D.,  
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*Head, Department of Criminal Justice*

*Associate Professor of Criminal Justice*

CLARKE S. WORTHINGTON, B.A., University of Arizona; M.A.,  
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*Head, Department of Psychology and Sociology*

*Professor of Psychology*

THOMAS M. ZEPP, A.B., Wofford College; M.A., Ph.D., University  
of Florida

*Assistant Professor of Economics*

\*Part-time Instructor

\*\*On leave of absence

\*\*\*Courtesy Appointment

## ARMSTRONG COLLEGE COMMISSION

The Commission controls certain endowment and scholarship funds.

DR. IRVING VICTOR, Chairman

MR. EDWARD BARTLETT

MR. Y. A. BEALL, JR.

MRS. KAY KOLE

MR. JOHN RANITZ, JR.

REV. HARRY NEVELLS

### Ex-Officio

MRS. SAXON BARGERON

THOMAS COLEMAN, The Honorable

JOHN P. ROUSAKIS, The Honorable

JULIAN HALLIGAN

MR. JOHN M. WILSON

ARMSTRONG STATE COLLEGE IS AN EQUAL OPPORTUNITY EMPLOYER AND IS COMMITTED TO THE OFFERING OF EQUAL EDUCATIONAL OPPORTUNITY TO ALL STUDENTS REGARDLESS OF RACE, SEX, CREED, OR NATIONALITY.



## II. HISTORY, PURPOSE AND PROGRAMS

### HISTORY OF THE COLLEGE

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a pressing need for a college in the community. The college was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five additional buildings in the Forsythe Park and Monterey Square areas. The college, as Armstrong College of Savannah, became a two-year unit in the University System of Georgia on January 1, 1959, under the control of the Regents of the University System. In 1962, the Mills B. Lane Foundation purchased a new campus site of over 200 acres located on Abercorn Extension. The new campus, with eight new buildings, was occupied in December, 1965.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. President Henry L. Ashmore, who succeeded President Foreman M. Hawes, on July 1, 1964, was charged with the responsibility of developing the institution from junior to senior college status. A junior year was added to the college curriculum in 1966-67, with the senior year added in 1967-68 and the first four-year degrees awarded at the spring, 1968 commencement. The college now offers more than twenty major programs leading to baccalaureate degrees, and, in addition, the two-year associate degree in nursing, dental hygiene, mental health work and in criminal justice. Effective in the 1971-72 academic year, the Board of Regents of the University System of Georgia authorized Armstrong State College and Savannah State College to offer joint programs leading to the M.B.A. and M.S. in Elementary Education degrees. Additional programs in Teacher Education at the secondary level were initiated Summer Quarter, 1972.

The academic community includes approximately 3,000 students and 120 full-time faculty members. Armstrong State College was fully accredited as a senior institution by the Southern Association of Colleges and Schools in December, 1968, with accreditation retroactive to January 1, 1968, and was re-accredited in December, 1972. The Joint Graduate Program was fully accredited by the Southern Association in December, 1973.



## PURPOSE

Armstrong State College is a multi-purpose institution offering degree programs in the liberal arts, sciences, and a number of specialized fields. As a service to the community, it also provides a continuing education program for those who have non-degree objectives. The College strives to maintain the flexibility and adaptability which activated its growth and change of status in less than thirty-five years from a small city-supported junior college to a senior college in the University System of Georgia. Therefore, the College defines its present purpose in the following terms:

to provide modern facilities and a professional staff in an environment that promotes the free exchange of ideas;

to bring each student to a better realization of his own intellectual, emotional, and spiritual potential by providing academic programs in the humanities, natural sciences, and social sciences;

to develop the student's technical and analytical skills through programs leading to professional degrees in a number of areas, including Allied Health, Business Administration, Criminal Justice, and Teacher Education;

to offer opportunities for continuing education through symposia, conferences, institutes, and courses unrelated to degree programs;

to make available the full resources of the College through involvement in research projects, public service activities, and other programs sponsored by the community.

## GRADUATE PROGRAMS

Beginning with the Fall Quarter of 1971, Armstrong State College joined with Savannah State College to offer a joint program of graduate work. Faculty and other resources of both institutions are drawn upon equally to operate the program, and degrees are awarded jointly by the two schools. The Joint Graduate Program offers instruction leading to the Master of Business Administration degree, and the Master of Education degree in Elementary Education and in Special Education (Behavior Disorders) as well as in the secondary teaching fields of Biology, Chemistry, English, Mathematics, History and Political Science. The master's programs are designed to provide opportunities for further professional growth,



for expanding professional and cultural backgrounds, and for extending knowledge and understanding in an area of specialty.

For further information about these programs, contact the Associate Dean for Graduate Studies at either Armstrong State College or Savannah State College, requesting a copy of the Graduate Bulletin.

## FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, French, music, political science, psychology and economics.

Bachelor of Science in the fields of biology, chemistry, and mathematics.

Bachelor of Business Administration in the fields of accounting, management, management-marketing, economics, finance, business education and information systems.

Bachelor of Science in Education-Speech Correction.

Bachelor of Science in Elementary Education.

Bachelor of Science in Medical Technology.

Bachelor of Science in Dental Hygiene Education.

Bachelor of Science in Nursing.

Bachelor of Science in Criminal Justice.

Bachelor of Arts in Social Work.

Bachelor of Music Education.

Bachelor of Science in Education with a Major in Physical Education.

Bachelor of Science in Education with a Major in Mathematics.

## TWO-YEAR DEGREES

The following two-year degrees are offered as preparation for higher degrees in the liberal arts and professions and for positions in business:

Associate in Arts.

Associate in Arts in Nursing.

(This degree prepares graduates for the state examination for licensure as registered nurses.)

Associate in Science in Dental Hygiene.

Associate in Science in Criminal Justice.

Associate in Science in Mental Health Work.

## PRE-PROFESSIONAL PROGRAMS

Armstrong State College offers the first year of a program in veterinary medicine; the first two years of programs in engineering, forestry, industrial management, physics, pharmacy; the first three years, or the entire pre-professional programs, in dentistry, law, medicine, optometry, and other fields. Among specialized pre-professional programs are the following:

### *ARMSTRONG STATE COLLEGE-GEORGIA INSTITUTE OF TECHNOLOGY DUAL-DEGREE PROGRAM*

Upon completion of the first three years of academic work at Armstrong, the student may enroll for two subsequent years at Georgia Institute of Technology. After completing the requirements of the two cooperating institutions, the student will be awarded a baccalaureate degree from Armstrong State College and a baccalaureate degree in one of a number of academic areas from Georgia Institute of Technology. For further information on this dual-degree program, the student should contact the Office of the Dean of the College.

### *BACHELOR OF SCIENCE DEGREE PROGRAM IN MEDICINE*

Any student who completes 140 quarter hours in academic courses at Armstrong State College with an average of C (2.0) or better is eligible, upon successful completion of the prescribed course of study for the first year at an accredited school of medicine, for the degree of Bachelor of Science (Medicine) from Armstrong State College.

### *BACHELOR OF SCIENCE DEGREE PROGRAM IN DENTISTRY*

Any student who completes 140 quarter hours in academic courses at Armstrong State College with an average of C (2.0) or better is eligible, upon successful completion of the prescribed course of study for the first year of an accredited school of dentistry, for the degree of Bachelor of Science (Dentistry) from Armstrong State College.

## GEORGIA INTERN PROGRAM

Students at Armstrong State College may participate in the Georgia Legislative Internship Program. The program provides an opportunity for students to observe first-hand and to participate in the legislative process and to advance their academic experience. They are assigned to legislative committees or to a legislative office in

either the House or the Senate, working directly under and responsible to a committee chairman or office head. Students may receive academic credit for this experience. They must be enrolled full-time and be in good academic standing at the College. For further information, consult the Head of the Department of History and Political Science.

## OFFICE OF COLLEGE AND COMMUNITY SERVICES

*Short Courses, Workshops and Seminars* are planned, organized and administered by the office in response to group interest, or to meet a community need brought to the attention of the Dean for College and Community Services. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. A brochure of courses, under the heading of "Short Courses" is mailed before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer Programming to Interior Decoration. The Dean is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate, and in other areas; the college has been approved as an Examination Center for a number of these examinations. One-day workshops are also planned and managed by this office.

## EVENING CLASSES

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for some degree programs. Students employed during the day must limit their enrollment to one or two courses each quarter.

## NEIGHBORHOOD CONTINUING EDUCATION CENTER

The Neighborhood Continuing Education Center is a cooperative endeavor of Armstrong State College, Savannah State College, Georgia Southern College, and the University of Georgia. The Center provides a continuing education program for low income residents in a Savannah Model Cities area neighborhood. The major objective is to utilize the combined resources of the cooperating institutions to provide educational experiences suited to the needs of the citizens within this area.



## OFFICE OF DEVELOPMENT

The purpose of the Office of Development is to promote community involvement in the college and participation by the college in federal and other grant sponsored activities. This office also gives assistance to the process of long-range planning and development at the college.

## OFFICE OF COMPUTER SERVICES

This office coordinates the campus-wide system of computer services. The Director also provides technical assistance to the faculty and staff of the college in the development of computer programs and systems. Through participation in the University System Computer Network, information processing devices located on campus are connected via a direct telephone line to the large computers located at Georgia State University and the University of Georgia.

## ACADEMIC SKILLS LABORATORY

The purpose of the Academic Skills Laboratory is to provide aid for those students experiencing difficulty in the areas of reading, mathematics, or English. An individualized program is planned and conducted after identification of the student's needs through diagnostic procedures.

A student may be referred to the Laboratory by a faculty member or may refer himself. The student may enroll for five to fifteen institutional credit hours per quarter. The student's program may be completed in less than a full quarter, or may be continued over two or more quarters.

## STUDENT EXCHANGE PROGRAM WITH SAVANNAH STATE COLLEGE

A student enrolled at Savannah State College or at Armstrong State College as a full-time student has the privilege of taking one course with his Dean's approval at the other college without paying an additional fee. A student may take two courses in his home college paying full fees and one course at the other college, which will be transferred back to his home college, or a student with at least a "B" average in the preceding quarter may take three courses at his home college, paying full fees, and register at the other college for an additional course without additional cost. No restrictions are placed on the number of courses taken at the other college if the

student is enrolled in the Joint Graduate Program or in the undergraduate cooperative programs in Criminal Justice, Music Education, Physical Education, or Social Work.

A student may obtain in the Registrar's Office the proper form for permission to register for courses at Savannah State College.

### NROTC PROGRAM

Students at Armstrong State College may enroll in the Naval Reserve Officers Training program offered on the Savannah State College campus. For further information, consult the Registrar at Armstrong State College; the Commanding Officer, NROTC Unit, Savannah State College; or the *Savannah State College Bulletin and General Catalog*.

### LIBRARY

The Lane Library is centrally located on the campus and is convenient to classrooms and student center. The building is air-conditioned, carpeted and attractively furnished. The facilities of the library include seating for four hundred eighty-five readers, listening and microform facilities, study rooms, individual study carrels, general reading, reference and special collection areas. An addition to the Library, more than doubling its present size, has been approved by the Board of Regents of the University System.

The library contains approximately 83,000 volumes and receives 750 periodicals and newspapers. In addition to these, there are 2,400 reels of microfilm, 21,300 units of microforms and other resources.

The collection is classified according to the Library of Congress classification scheme and all materials with the exception of reserve books and special collections are on open shelves. A library handbook giving an introduction to the library and its use is available to each student.





# III. ADMISSION TO THE COLLEGE

## GENERAL INFORMATION

Application forms for admission to Armstrong State College are attached to this *Bulletin* and provided by the Admissions Office upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications should be on file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter.

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

On the basis of achievement as reflected by high school or college grades and academic potential as shown by scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made. The Admissions Officer may refer any application to the Admissions Committee of the College for study and advice.

The decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer in accordance with admission policies and subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System. The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to affirm that they will abide by the provisions of the Honor Code. For a detailed explanation of the Honor System see the REGULATIONS section of this bulletin.

Specific requirements for admission are discussed below.

## REQUIREMENTS FOR FRESHMAN APPLICANTS

1. a. Certificate of graduation from an accredited high school. A transcript of the applicant's high school record must be submitted by the high school directly to the College and must show credit for a minimum of sixteen units, including the following specific subjects:

English—4 units

Mathematics—2 units (One unit must be in algebra, although two units of algebra are desirable. For students entering the engineering or scientific fields, two units in algebra and one of geometry are needed.)

Science—2 units

Social Studies—2 units

Other units sufficient to graduate.

OR b. Successful completion of the General Education Development Test (GED) with no scores less than 45. Applicants who have been awarded their high school equivalence diploma with scores below 45 may be conditionally admitted. A score report form must be submitted directly to the college by the United States Armed Forces Institute, Madison, Wisconsin 53703 (if the student took the test while in military service) or from the GED testing center where the student took the test.

2. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter in which the student wishes to enroll.

The Scholastic Aptitude Test is given in all states and numerous foreign countries in November, December, January, March, May and July. Students wishing to make application to take the test may secure application forms from their secondary school principal or

counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701, for an application form and the *Bulletin of Information* which is available without charge.

3. Application fee of \$10 which must accompany the application form. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student, and it will not be refunded in the event that the applicant does not enroll as a student. If he wishes to enter the institution at the beginning of a quarter later than that for which he is accepted, he must request reactivation of his application for admission. If he has not enrolled within one year, he must reapply and resubmit the application fee by the date specified.

4. Physical examinations prior to admission are required only for those entering students whose medical history is such that their participation in required physical education instruction is not recommended or is limited, or when the student is under the care of a physician due to a special medical problem. Entering students who are in good health and not under the care of a physician must submit a signed statement to this effect along with their completed application for admission.

### CONDITIONAL ADMISSION

Students who score 650 or less on the combined verbal and mathematics sections of the Scholastic Aptitude Test and/or who fail to predict the grade-point average for regular admission must take a battery of tests (relating to English, reading, and mathematics) derived from the Comparative Guidance and Placement Program of the College Entrance Examination Board. These students will be "conditionally admitted" until such time as the results of the battery of tests are available. These tests must be taken before the student first registers for classes. Students who satisfactorily complete the entire battery of tests will be granted full admission status. If any part of the test results is unsatisfactory, the student's "conditional admission" status will be continued and the student will be required to take courses in the Academic Skills Laboratory in his specific area(s) of weakness(es). As long as the student is on "conditional admission" status, he must have the classes in which he enrolls approved by the Head of the Academic Skills Laboratory. While the student may demonstrate proficiency within one quarter or two quarters of enrollment by achieving a grade of "satisfactory" in each



academic skills course taken, such proficiency must be demonstrated by the end of one academic year. If not so demonstrated, the student will not be permitted to continue at the college. Test dates for the Comparative Guidance and Placement Examination are listed in the Academic Calendar published in this *Bulletin*.

## ADVANCED PLACEMENT AND CREDIT BY EXAMINATION

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination of the CEEB, and approval by the appropriate department head of Armstrong State College.

College credit may be granted for satisfactory scores on the General Examinations of the College-Level Examination Program (CLEP), for satisfactory completion of appropriate courses and tests offered through the United States Armed Forces Institute (USAFI), and for military service schools and experience as recommended by the Commission on Accreditation of Service Experiences of the American Council on Education. Such credits may not exceed more than one-fourth of the work counted toward a degree.

Specifically, the student with a strong academic background may demonstrate competence through departmental examinations and exempt the following courses: Foreign Language 101, 102, 103; History 251, 252; Mathematics 101, 103. Further, the student may be given credit by examination in Physical Science 121, 122 (10 quarter hours); History 114, 115 (10 quarter hours); Art 200 (5 quarter hours); Music 200 (5 quarter hours); Mathematics 101 (5 quarter hours — must be validated by passing the second appropriate Mathematics course); and English 121 (5 quarter hours — must be validated by passing English 122).

It is possible for a student, through a combination of the advanced placement and credit by examination programs, to begin his formal instructional program at Armstrong State College as a sophomore.

## REQUIREMENTS FOR TRANSFER APPLICANTS

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office, but normally the transcripts of

previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants who will enter with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or for disciplinary reasons will not be eligible for admission.

4. A transfer applicant will be considered for admission to Armstrong State College if, on *all* work attempted at other institutions, his academic performance as shown by his grade point average is equivalent to the minimum standard required by Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy on page 71.)

5. Credit will be given for transfer work in which the student received a grade of "D" or above, with the percentage of "D" grades not to exceed twenty (20) per cent of the total hours being transferred. College credit will not be allowed for such courses as remedial English or remedial mathematics or courses basically of secondary school level.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of a regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. In certain areas he may be required to validate credits by examination. In computing cumulative grade averages, only the work attempted at Armstrong will be considered.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may



be transferred from a junior college. At least half of the courses required in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken through correspondence or extension courses; no correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence course may be taken while a student is enrolled at Armstrong State College without prior approval of the Dean of the College and the head of the department in which the student is majoring. Correspondence credit will not be accepted for courses in English composition or foreign language.

### CONTINUING EDUCATION STUDENTS

All military personnel and adults, age 22 years or older, who wish to take regularly scheduled courses for personal enrichment and other non-degree objectives may be enrolled for credit or as auditors. If these students enroll for credit, they must meet all prerequisites for the course involved; if they enroll as auditors, they must have the permission of the instructor involved. Admission of Continuing Education students requires: (1) evidence of high school graduation or possession of GED certificate or (2) transcript from last college attended. Students on probation or suspension will not be permitted to enroll in this program without approval by the Admissions Committee.

A maximum of 45 quarter hours credit may be earned by students enrolled in this classification. Should a degree become the objective of a Continuing Education student, he must apply for admission as a degree candidate, meeting regular admission requirements.

All college fees apply to students in this classification with the exception of the application fee which is not required until the student requests admission as a degree candidate. Military personnel pay fees in accordance with negotiated military contracts.

### READMISSION OF FORMER STUDENTS

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. This requirement does not apply to students who do not register for courses during the summer quarter. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to reenter. A former student who has attended

another college since leaving Armstrong must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the bulletin in effect at the time of his return.

## TRANSIENT STUDENTS

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally for one quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar, or he must meet all requirements for regular admission as a transfer student.

## EARLY ADMISSION AND JOINT ENROLLMENT PROGRAMS

Armstrong State College offers an early admission program for those students who have completed the eleventh grade in high school and who have demonstrated outstanding academic potential. The criteria for admission to this program are the same as those listed below for the Accelerated Program.

Additionally, the college cooperates with the Chatham County School System in the offering of a joint enrollment program which is an early admission program allowing the student to enroll full-time at the college while remaining on the rolls of his local high school. After successfully meeting all established criteria for the early admission program, the student will be awarded a high school diploma at the end of his freshman year in college. The college Admissions Committee must approve all applicants accepted for admission to the joint enrollment program. For further information on this program the prospective applicant should consult his high school counselor and/or request information from the Admissions Office at Armstrong State College.

## ARMSTRONG STATE COLLEGE ACCELERATED PROGRAM FOR HIGH SCHOOL STUDENTS

High school students who have completed the eleventh grade, who have met the criteria for admission to the program and who maintain its standards will be permitted to enroll for college credit in at least one course but not more than two courses each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted as regular students of the College.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career. Students accepted in the program may choose any freshman course for which they meet all prerequisites, with permission of their high school principal or counselor and college advisor.

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

The College will consider a student for this program only upon written recommendation of his high school principal. In the view of the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. A combined verbal and math score of 1000 on CEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, language) through the ninth, tenth and eleventh grades as averaged by the Armstrong State College Admissions Officer.
5. written permission of the parents.

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.



## FOREIGN STUDENTS

It is recommended that, whenever possible, foreign students begin their attendance at the College in the fall quarter. The college also recommends that a foreign student attend an ELS language center prior to enrollment. (Applications for ELS are available from the Admissions Coordinator, ELS Language Centers, 3331 Ocean Park Blvd., Suite 201, Santa Monica, California 90405.)

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of freshman applicants.
2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He must take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.
4. He must take the Test of English as a Foreign Language and ask that the results be sent to Armstrong. (Applications for the test are available from the Educational Testing Service, Box 899, Princeton, N. J. 08540.)
5. He must submit a statement of financial resources prior to attendance.

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be sent an 1-20 Form (1-20A and 1-20B), which he can take to the American consul to ask for a student visa. When he arrives on campus, he will be tested in English composition for class placement.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

## ADMISSION OF VETERANS

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefit Act of 1966), Public Law 815

(disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Laws 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

## APPLICANTS SPONSORED BY VOCATIONAL REHABILITATION

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of applications.

## REGISTRATION

Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes counseling, academic advisement, selection of courses, enrollment in classes, and payment of fees. Full details regarding registration are provided to all incoming students after they have been approved for admission to the College.

## RESIDENCY REQUIREMENTS OF THE BOARD OF REGENTS

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. (a) If a person is 18 years of age or older, he or she may register as a resident student only upon a showing that he or she has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.  
  
(b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State, in the absence of a clear demonstration that he or she has in fact established legal residence in this State.
2. If a person is under 18 years of age, he or she may register as a resident student only upon a showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.



3. A full-time faculty member of the University System and his or her spouse and dependent children may register on the payment of resident fees even though he or she has not been a legal resident of Georgia for the preceding twelve months.
4. Non-resident graduate students who hold teaching or research assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.
5. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees, when such teachers have been legal residents of Georgia for the immediately preceding nine months, were engaged in teaching during such nine month period, and have been employed to teach full time in the public schools of Georgia during the ensuing school year.
6. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.
7. Foreign students who attend institutions of the University System under financial sponsorship of civic or religious groups located in this State, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.
8. If the parents or legal guardian of a minor change his or her legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve month period the student may continue his registration only upon the payment of fees at the non-resident rate.
9. In the event that a legal resident of Georgia is appointed as guardian on a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.

## ADMISSION TO THE ASSOCIATE IN ARTS DEGREE PROGRAM IN NURSING

Nursing calls for a variety of skills and aptitudes and offers unlimited opportunities for different kinds of service. Therefore, a candidate for the nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing. For these reasons the Admissions Committee selects students whose abilities, interests, and personal qualities show promise of success in the program and in the field of nursing. Factors influencing the decision of the Admissions Committee are: achievement as shown on the secondary school record, ability as measured by the Scholastic Aptitude Test, motivation for nursing, health, personal qualities, and social adjustment. Applicants who, in the judgment of the Admissions Committee, present high overall qualifications are selected. Since applications are processed as received, applicants are encouraged to apply early in the senior year of high school or as early in the year preceding admission as possible. Application forms are available from the Admissions Officer of the College.

The preferred age for applicants, married or single, at the time of entrance is 18.

The State of Georgia requires, as do most other states, United States citizenship, either natural born or naturalized, for registered nurse licensure. Candidates for admission to the nursing program who are not citizens may be admitted only under certain circumstances and should make individual inquiries.

### How to Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Nursing Only*.
2. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test, be certain to list Armstrong State College as one college to receive the scores.
3. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she/he has previously attended to mail an official transcript of her/his record to the Admissions Office at Armstrong, regardless of the transferability of the credits.)

4. Complete the Personal Data Sheet for the nursing program.
5. Have the dental form completed by a dentist and mail to the Department of Nursing.
6. Take a battery of aptitude tests on one of the dates scheduled on campus. Applications for this test may be obtained from the Department of Nursing at Armstrong State College or from the Director of Admissions at Armstrong State College.
7. Send, or have sent, two letters of reference directly to the Department of Nursing from non-family members (teachers, employers, or other qualified persons) who have known you for at least three years.
8. Send, or have sent, to the Department of Nursing a certified copy of your birth certificate.

#### Other Information

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the nursing program.
2. Except in unusual circumstances, no credit will be given for nursing courses taken in another school of nursing.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Nursing students are responsible for providing their own transportation to and from campus to the clinical area (i.e., community hospitals and other health agencies).
5. Armstrong State College does not provide student housing. The responsibility for procuring suitable housing rests with the student. For further information regarding housing, please contact the Office of Student Affairs.
6. Students are required to wear the official student uniform of the nursing program. Uniforms will be ordered during the Fall Quarter.



7. General fees for a nursing student will be the same as for any other student at Armstrong. Please refer to the Fees section of the current *Bulletin*.
8. Students are admitted to the nursing sequence courses once each year in the fall. Six consecutive quarters in the nursing program are required. Students may begin the academic courses required in the program in any quarter.
9. All nursing courses must be taken in sequence. Each nursing course has a prerequisite beginning with Fundamentals of Nursing.
10. All students must take a battery of aptitude tests.
11. Students accepted for the nursing program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission to Armstrong State College does not in any way guarantee formal admission into the nursing program. Formal admission to the program is dependent upon a student's obtaining a passing grade of "C" in nursing and maintaining an overall 2.0 average first quarter.

## ADMISSION TO THE BACHELOR OF SCIENCE DEGREE PROGRAM IN NURSING

This program is designed to prepare the Registered Nurse to plan, organize and function in middle management nursing positions in today's hospitals and health agencies. The prospective candidate for the Bachelor of Science degree in Nursing must meet all criteria for admission to Armstrong State College.

### How to Apply

1. Complete the application form for admission to Armstrong State College according to directions. Mark the application **FOR NURSING ONLY — B.S. Program**.
2. Have a transcript of your high school, college and school of nursing records mailed to the Admissions Office, Armstrong State College, 11935 Abercorn Street, Savannah, Georgia 31406.

3. Complete the Personal Data Sheet for the Department of Nursing — B.S. Program.
4. Have the dental form completed by a dentist.
5. Take Qualifying Exams for nursing courses as applicable.
6. Have two written letters of reference (one from Director of School of Nursing and one from current or last employer) sent directly to the Armstrong Admissions Office.
7. Contact Department of Nursing for appointment to discuss academic status.

#### Other Information

1. Graduation from a state approved school of nursing (associate degree program or hospital diploma program) is a requirement for admission to the B.S. degree program in Nursing.
2. Credits earned by graduates of an associate degree program conducted by a legally constituted degree granting institution will transfer.
3. The number of credits allowed a diploma school graduate will be determined by an evaluation of the applicant's school of nursing transcript based on criteria developed for the program.
4. Those applicants who have not been actively employed in nursing within the previous five years, or who have graduated from a diploma school, will be required to take validating examinations. Satisfactory scores must be achieved in order to receive credit for prior nursing education.
5. All candidates for the Bachelor of Science Degree in Nursing must have passed the state board licensing examination for registered nurses. This requirement must be met prior to application for graduation.
6. The last forty-five quarter hours of the degree program, must be earned at Armstrong State College.



## ADMISSION TO THE ASSOCIATE IN SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

The profession of Dental Hygiene is an ideal career for individuals interested in science and health services. The growing and constant demand for graduate dental hygienists assures regular hours and good compensation.

A dental hygienist works under the general supervision of a dentist and performs a number of dental functions. The hygienist's activities usually include performing oral prophylaxis (cleaning of the teeth), instructing patients in dental health, taking, developing and mounting dental x-rays, applying fluorides and sometimes assisting the dentist in chairside and laboratory duties.

There are certain personal qualifications which are essential for a successful dental hygienist. These are good health, neat appearance, high moral character, a desire to be of service to others, and the ability to get along well with people.

The Armstrong State College program consists of seven quarters of full time study (two academic years and the intervening summer). Applicants are matriculated once each year, in September.

There are no definite age requirements or restrictions for the basic Dental Hygiene program. However, all applicants must be graduates of an accredited high school or its equivalent. Students may be either married or single and must be citizens of the United States, either natural born or naturalized.

Applicants must meet the admission requirements for Armstrong State College and the Department of Dental Hygiene.

The major part of an applicant's secondary school work should be in the college preparatory program and should include two years of mathematics. Because of the heavy emphasis on science in the dental hygiene curriculum, it is important that applicants have a good foundation in chemistry and biology. The quality of the candidate's work in high school English and social studies is most important in evaluating total qualifications for admission to the Dental Hygiene program. Other factors which influence the decision of the Dental Hygiene admissions committee are: a "C" or better average in high school and an acceptable score (composite-verbal and mathematical) on the Scholastic Aptitude Test given by the College Entrance Examination Board and on the Dental Hygiene Aptitude Test.

### How to Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Dental Hygiene Only*.
2. Complete the Personal Data Sheet for the dental hygiene program.
3. Have the dental form completed by a dentist.
4. Take the Dental Hygiene Aptitude Test on one of the three dates scheduled on campus. Applications for the Dental Hygiene Aptitude Test may be obtained from the Department of Dental Hygiene at Armstrong State College.
5. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test be certain to list Armstrong State College as one college to receive your scores.
6. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college previously attended to mail an official academic transcript to the Admissions Office at Armstrong, regardless of the transferability of the credits).

### Other Information

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the Dental Hygiene program.
2. For the Associate in Science Degree, no credit will be given for Dental Hygiene courses taken in another school of Dental Hygiene, unless specifically approved by the Head of the Department.
3. An applicant on academic suspension or probation from another college will not be considered.

4. Dental Hygiene students are responsible for providing their own transportation to and from campus and to community agencies when assigned for field experiences.
5. Armstrong State College does not provide student housing. The responsibility for procuring suitable housing rests with the student. For further information regarding housing, please contact the Office of Student Affairs.
6. Students are required to wear the official student uniform of the Dental Hygiene Program. Uniforms will be ordered during the Fall Quarter.
7. General fees for Dental Hygiene students will be the same as for any other student at Armstrong. Please refer to the Fees section of the current *Bulletin*.
8. Students are admitted to the Dental Hygiene sequence courses once each year in the fall. Seven consecutive quarters in the Dental Hygiene program are required. Students may begin the academic courses required in the program in any quarter.
9. All Dental Hygiene clinical courses must be taken in sequence. Each Dental Hygiene course has a prerequisite beginning with Dental Hygiene 101.
10. It is strongly recommended that all students take the Dental Hygiene Aptitude Test to be considered for admission. In order for the test scores to reach the Dental Hygiene Department prior to the April 15th deadline, the test should be taken during the fall or winter testing period.
11. Students accepted for the Dental Hygiene program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission to Armstrong State College does not in any way guarantee formal admission into the Dental Hygiene Program.



## ADMISSION TO THE GRADUATE PROGRAM

Information concerning admissions requirements for graduate programs is available in the *Graduate Bulletin*. Further information may be obtained from the Associate Dean for Graduate Studies at either Armstrong State College or Savannah State College.





## IV. FEES

### APPLICATION FEE

The Application Fee of \$10.00 is paid by each student at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of the student. This fee is not refundable.

In addition to the application fee mentioned above, a deposit of \$50.00 is required of all dental hygiene applicants who are accepted for admission. This deposit is applied against registration fees during the first quarter of attendance. If the student does not enroll, the deposit is not refundable.

### MATRICULATION FEE

The Matriculation Fee for students registering on campus for the normal course load of fifteen hours is \$115.00. Students carrying less than 12 credit hours on campus in a quarter will pay at the rate of \$9.75 per quarter hour in Matriculation Fees. Students who register for off-campus credit courses will pay at the rate of \$12.75 per credit hour.

### OUT OF STATE TUITION

Non-residents of Georgia must pay a fee of \$180.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$14.00 per quarter hour Out-of-State Fee in addition to all regular fees. Students who register for off-campus credit courses will pay at the rate of \$14.00 per quarter hour Out-of-State Fee in addition to all regular fees.

### STUDENT ACTIVITY FEE

There will be a Student Activity Fee of \$12.50 per quarter for all students enrolled in the undergraduate program and the graduate program, if enrolled for six hours or more.

### HEALTH/SERVICE FEE

There will be a Health/Service Fee of \$2.50 per quarter for all students enrolled in the undergraduate program. Students enrolled in

the graduate program will pay this fee, if enrolled for six hours or more.

### ATHLETIC FEE

There will be an Athletic Fee of \$5.00 per quarter for all students enrolled in the undergraduate and the graduate program.

### APPLIED MUSIC FEES

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$31.00 for one twenty-five minute lesson or \$62.00 for two lessons is charged quarterly to students not admitted to a music degree program and to music majors not enrolled for ten or more quarter hours of credit. This fee is refundable only when the student has not met his first lesson.

### LATE REGISTRATION FEE

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit." This fee is not refundable.

### CHANGE OF SCHEDULE FEE

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

### GRADUATION FEE

A Graduation Fee of \$10.00 will be collected from each candidate for Graduation.

### TRANSCRIPT FEE

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

## SUMMARY OF FEES

Matriculation, per quarter .....	\$115.00
Student Activity, per quarter .....	12.50
Health/Service, per quarter .....	2.50
Athletic, per quarter .....	5.00
<b>TOTAL FOR GEORGIA RESIDENTS .....</b>	<b>\$135.00</b>

Out of State Tuition, per quarter .....	\$180.00
<b>TOTAL FOR NON-RESIDENTS .....</b>	<b>\$315.00</b>

Matriculation, Part-time Students, per quarter hour .....	\$ 9.75
Non-Resident Tuition, Part-time Students, per quarter hour (in addition to Matriculation Fee) .....	\$ 14.00

## PRIVILEGE FEES

Application Fee .....	\$10.00
Late Registration—Maximum .....	5.00
Graduation Fee .....	10.00
Transcript, first one free, each additional .....	1.00
Change of Schedule .....	2.00
Applied Music Fee .....	31.00/62.00
Dental Hygiene Deposit .....	50.00

## REFUNDS

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Privilege fees are not refundable. Students who formally withdraw on the date of scheduled registration or during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

*Fees and Charges are Subject to Change at the End of any Quarter.*

Any student delinquent in the payment of any fee due to the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.

### SHORT COURSES

Fees are announced for each quarter when the course is scheduled by the College. No refund can be made for withdrawal from a short course.





# V. FINANCIAL AIDS

## FINANCIAL AIDS

A college education for qualified students, regardless of their economic circumstances, is the guiding principle behind the program of student financial aid at Armstrong State College. By offering scholarships, short-term and long-term loans, grants, student employment, and student assistantships, the College tries to provide the necessary financial assistance to students, who, without such aid, would be unable to attend college.

In selecting a financial aid recipient, consideration is given to the applicant's record of achievement and potential for success as well as to his financial needs. Although a few gift scholarships specify high academic standards as an eligibility requirement, most scholarships and other types of financial aid set forth the following general criteria:

- (a) an applicant must be enrolled or accepted for enrollment as a full-time student;
- (b) an applicant must maintain good academic standing as he progresses normally toward a degree goal;
- (c) an applicant must have a need for financial assistance.

Some aid programs specify other criteria, such as place of residence, field of study, type of employment, etc.

Armstrong State College utilizes the College Scholarship Service which evaluates the Parents' Confidential Statements of students who wish to be considered for financial assistance. A student may obtain the Parents' Confidential Statement form from his local high school counselor, from the Financial Aid Office at the College, or from the College Scholarship Service, P.O. Box 176, Princeton, New Jersey. In completing section two of the PCS, use the Armstrong code number 5012. Application forms for financial aid are available at the College. A student making an initial request for financial aid or a student who is requesting renewal of financial aid must file both of these forms as early as possible, preferably by April 1.

## FINANCIAL AID PLANNING AND PRIORITY SCHEDULE

- October-January: Prospective students should request information and application forms from the Financial Aid Office, Armstrong State College, Savannah, Georgia 31406.
- February-March: New and renewal applications for prospective and currently enrolled students should be submitted to the Financial Aid Office for the next academic year. Parents' Confidential Statements should be submitted to the College Scholarship Service, P.O. Box 176, Princeton, New Jersey, designating Armstrong State College as one of the recipients of the Financial Need Analysis Report. New applicants for admission to the College should also take the Scholastic Aptitude Test during this period and request that scores be sent to the Office of Admissions at Armstrong State College.

Meeting the following priority deadlines assures the student applying for financial aid that his application will be considered early for the award of whatever financial aid is available.

- April: Priority deadline for submission of the Parents' Confidential Statement by all applicants (both new and renewal applicants).
- April 15: Priority deadline for submission of applications for financial aid (both new and renewal applications). Also priority deadline to apply for admission to Armstrong State College through the Office of Admissions.
- September 1: Final deadline for the submission of all papers necessary for the award of financial aid.
- June-September: Candidates notified of actions taken on their financial aid applications.

Most financial aid awards are for the entire academic year, with payments made to the student in equal quarterly installments. A student may, however, apply and be considered for financial aid during the academic year if funds are available.

The Director of Financial Aid will be able to consider a student's request for financial assistance only when the application is complete and the College has received the information specified above.

## SCHOLARSHIPS

Many of the scholarships available to students are administered by the College; others are approved for students by outside agencies upon recommendation of the College Director of Financial Aid; still others are administered directly by non-institutional organizations.

REGENTS' SCHOLARSHIPS are available for residents of Georgia who rank, or who are predicted to rank, in the upper 25% of their class and who have financial need. The amount of each scholarship to be awarded (up to a maximum of \$750.00 per year) is determined by the Director of Financial Aid. Recipients must agree to reside and work in the state of Georgia one year for each \$1,000.00 received under this program.

OTHER SCHOLARSHIPS include:

- American Association of University Women
- American Business Women-Azalea Chapter
- American Business Women-Historic Savannah Chapter
- American Business Women-Rebel Chapter
- American Dental Hygienists Association
- Anthony Porter Scholarships (for Savannah High graduates)
- Armstrong State College Athletic Association
- Harry M. Carter Scholarships (for insurance and underwriters)
- Chatham Education Association Scholarship
- Cobb County Dental Society Scholarship
- Elks Aidmore Auxiliary Nurses Scholarship
- Fraternal Order of Police (4)
- Great Dane Trailer Employees' Scholarships (4)
- Junior Chamber of Commerce Academic Scholarships (2)
- Junior Chamber of Commerce Athletic Scholarships (4)
- Jaycettes Scholarships
- Kiwanis Athletic Scholarship Award
- Kiwanis Academic Scholarship Award (8 — to freshmen only)
- Arthur Lucas Memorial Scholarships (10)
- Metropolitan Kiwanis Club of Savannah Scholarship
- National Association of Social Workers
- National Secretaries Scholarship
- Porter G. Pierpont Rotary Education Funds (4)
- Propeller Club International Scholarship
- Savannah Pharmaceutical Association Scholarship



## STATE FINANCIAL AID PROGRAMS

In addition to the Regents' Scholarships mentioned above, the state of Georgia has established other financial aid programs which are available to residents of Georgia.

THE GEORGIA STATE SCHOLARSHIP COMMISSION provides financial assistance for residents of Georgia who are pursuing a course of study leading to a degree in certain professional and technical areas (Nursing, Dental Hygiene, Medical Technology, Mental Health, etc.). Students must be enrolled or accepted for enrollment in a program in a particular field, must have financial need, and must agree to repay the scholarship award by practicing the profession in Georgia one year for each year the scholarship is financed. Award amounts (up to a maximum of \$1,000.00 per academic year) are based upon need and upon the full-time or part-time status of students.

GEORGIA HIGHER EDUCATION ASSISTANCE CORPORATION LOANS are guaranteed educational loans provided for Georgia residents in attendance at Armstrong State College or any approved institution of higher education in Georgia or elsewhere. Applications are reviewed and approved by the Director of Financial Aid. The lending institution, with the approval of the Georgia Higher Education Assistance Corporation, makes the loans directly to the student.

A full-time undergraduate student may borrow up to \$1,200.00 for a three-quarter academic year; a graduate student may borrow up to \$1,500.00. Loans are also available to half-time students.

In the tenth month following graduation from college or withdrawal from college, student borrowers must begin to repay their loans at \$30.00 per month at the rate of 7% per annum.

THE GEORGIA VOCATIONAL REHABILITATION PROGRAM provides financial assistance for the applicant who possesses an impairment which would prove to be a vocational handicap. The Office of Vocational Rehabilitation may pay the cost of tuition, books, and fees. Students who think that they may qualify under this program should contact one of the area Vocational Rehabilitation Centers located throughout the state. The Savannah Center is located at 420 Mall Boulevard. Applicants sponsored by Vocation-



al Rehabilitation or other community agencies must apply at least 6 (six) weeks before the beginning of any quarter to insure proper processing of applications.

## FEDERAL FINANCIAL AID PROGRAMS

THE FEDERAL NURSING STUDENT LOAN AND SCHOLARSHIP PROGRAM is available to students who are enrolled or accepted for enrollment in the Nursing program as full-time students. Depending upon financial need, a student may be awarded up to \$1,500.00 per academic year. Loans are repayable over a ten-year period which begins 12 months after the individual ceases to be a full-time nursing student. Interest begins to accrue at the start of the repayment period at a rate of 3% per annum. Fifty percent of the loan may be cancelled by working full-time as a professional nurse in any public or non-profit private institution or agency at the rate of 10% for each complete year of employment.

THE LAW ENFORCEMENT EDUCATION PROGRAM provides grants to cover tuition and fees for law enforcement officers who are employed full-time and who attend Armstrong State College as part-time students. The program also provides loans to cover direct educational costs for students enrolled full-time in academic programs leading to degrees in areas directly related to law enforcement. Students should apply for loans and/or grants each quarter that financial aid is desired. Upon graduation from college, borrowers may cancel their obligations at the rate of 25% for each year they are employed full-time as law enforcement officers in a police, correction, or court agency.

OTHER FEDERALLY FUNDED PROGRAMS of financial aid, such as Educational Opportunity Grants, National Direct Student Loans, College Work Study funds, and Basic Opportunity Grants, may be available. For further information on these programs and the availability of funds, contact the Office of Financial Aid.

## OTHER SOURCES OF FINANCIAL AID AT ARMSTRONG STATE COLLEGE

INSTITUTIONAL SHORT-TERM LOANS are available in cases of emergencies for students who are enrolled full-time. These loans are made on a first-come first-served basis at an interest rate of 3%. Short-term loan applications should be submitted at least two weeks before the loan is needed. Loans must be repaid by the end of the quarter during which they are made. Short-term loans are sponsored through the following funds:

John Bravo Memorial Fund  
Kiwanis Club of Savannah Memorial Fund  
The Rho Beta Chapter Loan Fund  
The Exchangette Woman's Club of Savannah  
Rensing Short-Term Loan Fund  
Senior Class Loan Fund  
Sigma Kappa Sorority  
Union Camp Veterans' Short Term Loan Fund

**THE BARNEY MINKOFF PADEREWSKI MEMORIAL FUND** makes available to Georgia students in the Dental Hygiene programs loans up to \$500.00 per year, interest free. Students must have a financial need and maintain outstanding academic performances as they progress normally in their studies. Repayment begins six months after graduation or withdrawal from college, with a minimum payment of \$50.00 per month.

**THE TY COBB EDUCATIONAL FOUNDATION SCHOLARSHIP** is available to single residents of the state of Georgia who have completed the freshman year of college with high academic standing (at least 3.3 GPA). Further information may be obtained from: The Ty Cobb Foundation, 244 Washington Street, Room 448, Atlanta, Georgia 30334. The deadline for applications is May 1.

**THE WILLIAM F. COOPER EDUCATIONAL FUND** provides tuition scholarships for female students in all fields of study except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank and Trust Company, between January 1 and May 31.

**THE INSTITUTIONAL STUDENT ASSISTANCE PROGRAM** provides jobs for students who do not necessarily have a financial need. Upon recommendation of a Department Head, the student should apply to the Director of Financial Aid.

**THE SAVANNAH CHAPTER, NATIONAL SECRETARIES ASSOCIATION** provides one scholarship covering tuition, fees, and expenses for a female student majoring in secretarial science. Apply to high school counselor or typing teacher.

**THE PICKETT AND HATCHER EDUCATIONAL FUND** provides loans at a reasonable interest rate to students in need of financial assistance to attend college. Apply directly to: Pickett and Hatcher Educational Fund, P.O. Box 1238, Columbus, Georgia.

CHATHAM ARTILLERY SCHOLARSHIPS in the amount of \$250.00 each are available to members of the Chatham Artillery who are attending college full-time. Apply to the Chatham Artillery.

THE SAVANNAH PHARMACEUTICAL ASSOCIATION SCHOLARSHIP provides \$200.00 for a freshman student majoring in pre-pharmacy at Armstrong State College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

THE NATIONAL ASSOCIATION OF AMERICAN BUSINESS CLUBS provides scholarships for college juniors and seniors majoring in speech correction. Apply to: National Association of Business Clubs, School Program Committee, P.O. Box 5127, High Point, North Carolina 27262. Deadline for fall and winter quarters is May 1 and for spring quarter, October 31.

SENIOR YEAR SCHOLARSHIPS FOR WOMEN are made available each year by the United States Army for young women who have completed their junior years or who are first semester seniors. Each scholarship pays the recipient \$425.00 per month during her senior year. Interested students should obtain further information from: Headquarters, United States Army Third Recruiting District, 1628 Virginia Avenue, College Park, Georgia 30337.

## GOVERNMENT BENEFITS

### VETERANS, DISABILITY, AND WAR ORPHANS ASSISTANCE

*Eligibility.* Veterans who served on active duty for other than training purposes for more than 180 days, any part of which occurred after January 31, 1955, are eligible for financial assistance to attend college. Generally, sons and daughters of veterans whose death or total disablement was a result of service in the armed forces are eligible for financial benefits under the veterans program for educational assistance.

*How to Apply.* A prospective student should first make application to the College and gain approval for admission from the Office of the Registrar/Director of Admissions. Once accepted, the veteran should go to the local Georgia Department of Veterans Service located at 21 East York Street, Savannah, Georgia and have an application for VA educational benefits completed. The veteran must carry a copy of his Record of Discharge, DD Form 214, and



supporting documentation for proof of dependency status (marriage certificate; divorce decree, if previously married; and birth certificates on all dependent children). The veteran will then be given the forms to be presented to the Office of Veteran Affairs at Armstrong State College. All students receiving government benefits from the Veterans Administration must check with the Armstrong State Office of Veterans Affairs at the beginning of each quarter and file a form declaring the number of quarter hours he is attempting.

Those veterans entering school under GI Bill benefits should have sufficient funds to finance themselves for one quarter or at least until payments begin from the VA (approximately six weeks).

### SOCIAL SECURITY BENEFITS

The Social Security law provides monthly benefits to children when it has been determined that a parent on whom they were dependent dies or starts receiving social security retirement or disability benefits. Payments can be made until age 22 provided the child is a full-time student in an educational institution. Eligible students should apply to the Social Security Office which will issue the College a certification form. Once enrolled under social security benefits it is the student's responsibility to notify the Social Security Office if he transfers his enrollment, or if he changes his eligibility status when he (1) marries, (2) is adopted, or (3) earns more than \$1500 in a calendar year.

*Students who need assistance in the area of government benefits should contact the Counselor in the Office of Veterans Affairs.*





# VI. ACADEMIC REGULATIONS

## ACADEMIC ADVISEMENT

Academic advisement is made available to each student at Armstrong State College. The Dean of the College gives overall direction to the advisement program, with the appropriate Department Head coordinating advisement activities within the various departments. The student is expected to seek advisement from the department in which he is taking a major. The advisor maintains a record of his advisees' academic progress from quarter to quarter. The student who does not take advantage of the academic advisement program at the College should be reminded that he is responsible for fulfilling the requirements of his degree program and must be extremely careful to observe all regulations for admission to courses, such as the requirement of prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all prerequisite requirements are observed.

During orientation and before registration, all new students, both freshman and transfer students, will meet with faculty advisors. The faculty advisors will guide them at this time in mapping out a schedule for the fall quarter. The proper time for meeting with faculty advisors from that point on is during the pre-advisement periods each quarter listed in the college calendar. All faculty advisors, however, will be happy to give academic counseling at any time during a given quarter, if students need to talk with them.

During the six quarters of his junior and senior years, the student *must* have his course selection approved in writing each quarter before registration by an advisor from the department in which he is majoring. During these last two years, the advisor will keep a record of the courses the student takes and the grades he makes, and, during the fall quarter of his senior year, the advisor will signify to the Registrar that the student has completed all requirements for graduation in his major program up to that time, and is, therefore, recommended for graduation upon his completion of the remaining requirements in his degree program.

## RELATING TO DEGREE REQUIREMENTS

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.

2. Exceptions to course requirements for a degree are permitted only with the written approval of the Dean of the College, upon the recommendation of the department head.
3. A student will graduate under the catalogue in effect at the time of his admission to the college. However, after an absence from Armstrong State College of two or more consecutive years, a student must meet the requirements of the catalogue in effect at the time of his return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence, extension, or examination. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or in English composition or foreign language. No correspondence courses may be taken while a student is enrolled, without prior approval of the Dean of the College and the head of the department in which the student is majoring.
5. By state law, one of the requirements for a diploma or certificate from schools supported by the state of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong State College may demonstrate such proficiency by:
  - (1) Examinations—  
Students may take either the relevant CLEP, SAT Achievement, or Advanced Placement test (making their own arrangements). Dates for the CLEP examinations are listed in the college calendar as printed in the *Bulletin*.
  - (2) Credit in the following—  
for U. S. and Georgia Constitution: Political Science 113  
for U. S. and Georgia History: History 251 or 252 or any upper division course in U. S. History.
6. To qualify for the baccalaureate degree, a student must earn at Armstrong the last 45 quarter hours of credit applicable toward the degree, and he must complete successfully at Armstrong at least half of the courses required in his major field of study. When circumstances warrant his doing so, the Dean of the College may permit a student to complete up to *ten* of the last 45 quarter hours of credit at another college. (A request for permission to complete more than ten of these last 45 hours elsewhere will be referred to the Committee on Academic Standing.)

7. For graduation the student must earn an over-all average of 2.0 or better considering work taken at all colleges, computed in such manner that a course will be counted only once, regardless of the number of times that it has been repeated. The grade earned in the last attempt will determine the number of honor points assigned for graduation. Additionally, the student must earn a grade point average of 2.0 or better on each of the following:
  - a. all work at Armstrong
  - b. all courses in the major field.(For regulations on grade point average governing probation and dismissal, see page 71.)
8. To qualify for a second baccalaureate degree, a candidate must earn at Armstrong at least 45 additional hours of credit and, of course, meet all qualitative requirements for the degree.
9. Before a degree will be conferred upon a student by Armstrong State College, he must pay all fees and must notify the Registrar in writing at least by the end of the preceding Fall Quarter of his intention to graduate. A candidate for a degree, unless excused in writing by the President, Dean of the College, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.
10. Each student must successfully complete the University System Rising Junior English Examination as a requirement for graduation. See page 73 of this Bulletin.

### COURSE AND STUDY LOAD

The normal course load for full-time students is 15-18 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

A full-time student is defined as one who is registered for 12 or more quarter hours. A part-time student is one registered for less than 12 quarter hours. (The Veterans Administration and Selective Service regulations often require that the student be enrolled for more than 12 quarter hours to be classified as a full-time student.)

The maximum course load for a student who works full-time is 11 quarter hours. A working student should plan about ten hours preparation per week for each 5 quarter hour course.

## CLASSIFICATION OF STUDENTS

A student who has earned 45 quarter hours of credit will be classified as a sophomore; 90 quarter hours of credit, as a junior; 135 quarter hours of credit, as a senior.

### PERMISSION FOR OVERLOAD OR COURSES AT ANOTHER COLLEGE

Permission to enroll for more than 18 quarter hours will be granted by the Registrar to a student

- a) with an average grade of "B" for the preceding quarter, *or*
- b) in an engineering program, *or*
- c) requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

A student who is on academic probation will not be permitted to register for more than 18 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Dean of the College.

A student enrolled at Armstrong who at the same time takes courses for credit at another college may not transfer such credit to Armstrong, unless he has obtained in advance the written permission of the Dean of Armstrong State College to register for those courses.

### REPORTS AND GRADES

The faculty feels that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead, the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Grade reports are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.



Reports are based on the following system of grading.

GRADE	HONOR POINTS
A	4.0
B	3.0
C	2.0
D	1.0
F	0
I Incomplete	
W Withdrew with no grade	
NC No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

### HONORS

*Dean's List:* Students enrolled for at least ten quarter hours of course work who earn an honor point average of at least 3.3 will be placed on the Dean's List, published quarterly. Only course work taken at Armstrong will be used in the computation of Dean's List honors.

*Cum Laude:* Those students graduating with an honor point average of 3.2 through 3.499 will be graduated *cum laude*.

*Magna Cum Laude:* Those students graduating with an honor point average of 3.5 through 3.799 will be graduated *magna cum laude*.

*Summa Cum Laude:* Those students graduating with an honor point average of 3.8 through 4.0 will be graduated *summa cum laude*.

All work attempted at Armstrong and other accredited institutions will be considered in computing honors for graduation.

### ATTENDANCE

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course are left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes.

The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "F" if he thinks that excessive absence prevents that student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "F" depending on the student's status at the time he was dropped. Instructors will be responsible for informing each of his classes at its first meeting what constitutes excessive absence in that particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

## PHYSICAL EDUCATION PROGRAM

All students who are enrolled for ten quarter hours or more on the day schedule are required to complete six hours of physical education, of which P.E. 117 (Basic Health) and P.E. 103 (Elementary Swimming) or P.E. 108 (Intermediate Swimming) are required. During his freshman year, a student should take P.E. 117 and 103 or 108. During their sophomore year, students may elect any three Physical Education activity courses with the last two numbers being 01 to 09.

Any student who holds a valid senior life saving certificate and/or a valid water safety instructor certificate and/or passes the Arm-strong swimming test may be exempted from the required swimming course (P.E. 103 or 108).

A student graduating with an Associate in Arts Degree in less than six quarters must take one course in each quarter of his freshman and sophomore years.

Students enrolled in the Associate in Arts Degree program in nursing are required to complete three physical education courses.

A student who has completed at least six months of military service is required to take only four hours in physical education, which he may choose from all scheduled offerings, during his freshman and sophomore years.

Physical education is not required of anyone who is beyond the age of 25 at the time of initial matriculation, or of anyone enrolled primarily in evening classes.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

## ACADEMIC PROBATION AND DISMISSAL

A student who maintains or exceeds the grade point average indicated below for the quarter hours attempted will be considered in good standing. A student failing to maintain the minimum grade point average for quarter hours attempted will be placed on academic probation.

Quarter Hours Attempted at Armstrong and Elsewhere	Required Cumulative GPA
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-105	1.9
106-120	1.9
121-135 and over	2.0

A student on academic probation who raises his cumulative grade point average during the probationary quarter to equal or to exceed the appropriate figure in the foregoing table will be removed from academic probation. One who fails to achieve the required cumulative average, but who does earn an average of at least 2.0 during the probationary quarter, will be continued on probation for the next quarter of attendance. The College places no restrictions on the extracurricular activities of students who are placed on academic probation. Any student on academic probation should plan both his curricular and extracurricular activities with care, consulting with his advisor in so doing.

The student on academic probation who does not achieve the required cumulative average or who does not earn an average of at least 2.0 for the quarter in which he is on probation will be dismissed from the college for one quarter. A third such academic dismissal will be final.

A student re-entering the college after academic dismissal is placed on probation and must meet the requirement listed above.

A student dismissed for academic reasons may appeal by letter to the President, who will refer the appeal to the Committee on Academic Standing. Such a letter of appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter should be received by the President no later than 9 a.m. on

registration day. No action will be taken on appeals received later than 12:00 noon on the day following registration day.

## REPEATING COURSES

Any course for which a grade of "D" or "F" has been recorded may be repeated with the last grade earned to be counted in academic averages. A student who repeats any such courses should complete a "Notice of Course Repetition" form available in the Registrar's Office.

## DROPPING COURSES

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Office of the Registrar. The notice must be signed by the instructor of the course being dropped and returned by the student to the Registrar's Office.

A student who drops a course not more than seven class days after the course begins will receive no grade for the course. A student who drops a course after the first seven class days and before the last eight class days, will receive a grade of "W" or "F" depending on his status in the course. A student may not voluntarily drop a course during the last eight class days of a quarter.

## WITHDRAWING FROM COLLEGE

Any student who finds it necessary to withdraw from college must begin the process in the Office of Student Affairs. A formal withdrawal is required to insure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered on the basis of the date which appears on the withdrawal form.

## AUDITING

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. During the registration process the student should request a special "audit" course card. (Policy for some courses forbids "auditing.") An "auditor" cannot change to regular credit status after the first week of class. A student may not change from credit status to audit status after the first seven class meetings. A student who registers for a course as an "auditor" receives no



credit, "N.C.", on his transcript. Regular schedules of fees apply to auditors.

## RISING JUNIOR ENGLISH EXAMINATION

University System policy requires that all students successfully complete tests of writing skills and reading comprehension as a requirement for graduation. A student will be notified to take the tests in the quarter immediately following that in which he completes his 55th quarter hour. In order to insure adequate preparation for the tests, freshmen are expected to begin the sequence of required English composition courses no later than their second quarter of attendance.

Transfer students who have completed more than 55 quarter hours and who have not successfully completed the tests are responsible for meeting this requirement at the earliest possible opportunity. For test dates, see the Academic Calendar published in this *Bulletin*. Information on policies governing the repetition of the Rising Junior English Examination is available in the Office of Student Affairs.

*Any student who neglects to take the Rising Junior English Examination in the appropriate quarter will be prohibited from registering at the College for subsequent quarters.*

## HONOR CODE

The Honor Code at Armstrong State College is dedicated to the proposition that the protection of the grading system is in the interest of the student community. The Honor Council is an institutional means to assure that the student community shall have primary disposition of infractions of the Honor Code and that students accused of such infractions shall enjoy those procedural guarantees traditionally considered essential to a fair and impartial hearing, the foremost of which is the presumption of innocence until guilt be established beyond a reasonable doubt.

### I. Responsibilities of Students:

All students must agree to abide by the rules of the Honor Code. A student shall not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration: "I have read the Honor Code of Armstrong State College. I understand the Code and agree that as a student at Armstrong, I must comply with these requirements." This statement shall be printed on the application for admission to

the college and must be signed by the student. The Honor Code shall be printed in the official Bulletin and the Student Handbook.

It will be the responsibility of the Honor Council or its designated representative to conduct an orientation program at the beginning of each quarter for all newly entering students to explain fully the Honor Code and to allow full discussion of its requirements.

Any student desiring assistance with any matter related to the Honor Code is invited to seek assistance in the Office of Student Affairs.

## II. Violations of the Honor Code:

Violations of the Honor Code may be of two kinds: (a) general and (b) those related to the peculiarities of specific course-related problems and to the understanding of individual instructors. Any instructor whose conception of cheating would tend to enlarge or contract the general regulations defining cheating must explicitly notify the affected students of the qualifications to the general regulations which he wishes to stipulate. The following will be considered general violations of the Honor Code:

1. Giving or receiving any unauthorized help on any assignment, test or paper. The meaning of "unauthorized help" shall be made clear by the instructor of each class.
2. Stealing when related to cheating.
3. Plagiarizing.
4. Giving perjured testimony before the Honor Council.
5. Suborning, attempting to suborn, or intimidating witnesses.
6. Failing to report a suspected violation of the Honor Code.

## III. Reporting Violations of the Honor Code:

Anyone wishing to report a violation may come to the Office of Student Affairs for assistance in contacting members of the Honor Council.

- A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Honor Council.
- B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways.
  - 1. He may tell the person thought to be guilty to report himself to a member of the Honor Council no later than the end of the next school day. After this designated time, the person who is aware of the violation must inform a member of the Honor Council so that the Honor Council may contact the accused person if he has not already reported himself.
  - 2. He may report the suspected violation directly to a member of the Honor Council without informing the accused.

#### IV. The procedural rights of students accused of violations of the Honor Code:

The essence of the procedural rights of an accused is the right to a fair and impartial hearing and the right to be presumed innocent until proven guilty. Specific rights are as follows:

- 1. Honor Council members shall examine their consciences carefully to determine whether they can, in good conscience, serve on a panel hearing a particular case, and, in the event that there is any doubt whatsoever, such members will excuse themselves from duty on the specific panel in question.
- 2. The accused will be notified in writing by the Honor Council or its designated representative of the nature and details of the offense with which he is charged along with the names of his accusers and the principal witnesses to be brought against him. This notification shall occur no less than three days prior to the date of the hearing.
- 3. The accused has the right to counsel of his own choosing. Such counsel will not participate directly in the proceedings except to advise his client. It is expected that such counsel will be drawn from the college community.
- 4. The accused and the person bringing the charges shall be afforded an opportunity to present witnesses and documen-

tary or other evidence. The accused and any individual bringing the charges shall have the right to cross examine all witnesses and may, where the witnesses cannot appear because of illness or other cause acceptable to the Council, present the sworn statement of the witnesses. The Council shall not be bound by formal rules governing the presentation of evidence, and it may consider any evidence presented which is of probative value in the case.

5. The accused may not be made to bear witness against himself. The Council may not take the refusal of accused to testify as evidence of guilt, but this proviso does not give the accused immunity from a hearing or from recommendations reached in a hearing simply because the accused does not testify.
6. The accused shall have access to a complete audiotape of the hearing and to the record prepared by the secretary.
7. The substantive facts of a case may be re-opened for consideration upon initiation of the accused acting through normal appeal channels. The accused shall not be put in double jeopardy.
8. All witnesses will be sequestered from the hearing room during the course of a hearing. Witnesses may not discuss a pending case.
9. By prior agreement, the accused will be allowed such observers of the hearing as may be commensurate with the space available. Otherwise, in the interests of the right of privacy of the accused, hearings will be private, except that the College may also have observers additional to the advisors to the Honor Council.

#### V. Composition and Formation of the Honor Council and The Honor Code Commission:

The Honor Council will be composed of twelve students; three of whom shall be designated by the Honor Code Commission as alternates who will serve in the place of regular members unable to serve at a given hearing.

- A. Honor Council members will be selected by an Honor Code Commission which shall consist of the President, Vice-President and Secretary of the Student Body and the current President and Secretary of the Honor Council



together with three faculty members appointed by the President of the College. In order to conduct business, the Commission must have present at least three of its five student members, one of which must be an Honor Council officer, and two of its three faculty members.

- B. The Commission will give due consideration to equitable apportionment of Council members on the basis of academic class, race, and sex. Students on academic probation may not serve. All appointments will be issued and accepted in writing. Appointments will be made during Spring Quarter in time for the Honor Council to assume its duties which shall begin on May 1. Appointments will be made as needed to keep the Honor Council staffed to do business on a reasonably prompt basis. These appointments may constitute permanent or temporary replacements as the Honor Code Commission deems necessary.
- C. The Honor Council will elect a President and a Secretary from its membership. The President will preside at all hearings. The Secretary will maintain written notes on all proceedings and autiotape records of all testimony, and will maintain exhibits or copies of exhibits of evidence which by their nature may reasonably be maintained in the Council files.
- D. Constituency of the Honor Council during the summer term shall include all appointed members in attendance, and others as shall be appointed to membership by the Honor Code Commission.

#### VI. Procedures and Penalties Adopted by the Honor Council:

The Honor Council shall formulate its own bylaws governing internal organization and procedure. Such bylaws must be consistent with the Honor Code.

- A. Nine members, including the President and Secretary, will normally hear a case. A quorum shall consist of seven and may hear a case.
- B. Hearings shall be called by the Council President to be held on a date not less than three (3) nor more than ten (10) class days after notice to the accused as provided in Section IV-2. Exceptions to these time requirements may be granted.

- C. A two-thirds majority secret ballot vote is required to reach a finding of guilty. All other questions may be settled by a simple majority vote.
- D. Upon reaching a finding of guilty, the Council shall make a recommendation to the Dean of the College as to the administrative action it deems appropriate within the following limitations:
  - 1. A minimum penalty shall be loss of assignment or test credit for the assignment or test for violations involving cheating as specified in Section II, subsections 1, 2 and 3. Additional penalties such as reprimands, suspension, or others may be recommended for any aspects of Section II.
  - 2. Maximum penalty for a first offense of any type shall be suspension for a full calendar year.
  - 3. Maximum penalty for a second offense may be suspension for three years.
- E. Immediately following a hearing, the accused will be informed of the Council's finding, and its recommendation to the Dean of the College. If the finding is guilty, the accused will be informed that the Council may re-open the case with the consent of the accused for good cause, within a three week period.
- F. The Dean of the College will inform all involved persons in writing of the action he has taken in view of Council recommendations. The Council Secretary will post public notice of the Dean's action by case number without identifying the accused.

## VII. Appeals of Findings and Penalties:

Should a student have cause to question the findings of the Council or the action of the Dean of the College or both, he has the right of appeal. The channels of appeal are as follows:

- A. Council findings and/or the administrative action of the Dean of the College may be appealed within five days by writing the President of the College. Further appeal procedures will conform to the appeal procedures of the College and of the *Policies of the Board of Regents*, University System of Georgia (a copy of these policies is

available in the Library; see chapter on Students, section on appeals, page 165, 1969 edition).

## VII. Supervision of the Honor Council:

As an institutional means of responding to reported infractions of the Honor Code, the Honor Council is ultimately responsible to the President of the College.

Supervision of the Honor Council will be accomplished ordinarily through the following individuals:

### A. Dean of Student Affairs

In accordance with Article VI, Section F, of the College Statutes, the Dean of Student Affairs will provide general supervision of the Honor Council and will provide other guidance or services as directed by the President of the College.

### B. Advisor and Associate Advisor

1. An advisor and an associate advisor to the Honor Council will be appointed by the President of the College.
2. Ordinarily, the advisor will serve in that office for one year only and usually will be succeeded in that position by the associate advisor.

Therefore, after the initial appointments, only an associate advisor will ordinarily be appointed each year. The succession of associate to the advisor position is deemed to occur on the last day of the Spring Quarter.

In the event that for some reason the advisor is unable to complete his term, the associate advisor shall succeed to the office of advisor and another associate advisor shall be appointed by the above procedures. If, during the Summer Quarter, neither advisor is on campus, a temporary advisor will be appointed.

### 3. Duties of the Advisor and the Associate Advisor:

It shall be the duty of the advisor to consult with the Council and to offer advice to the President and members of the Council on substantive and procedural questions. The advisor, or the associate advisor in the event the advisor is unable to attend, shall be present at

all meetings and hearings of the Council. The advisor may not vote nor may he participate directly in the conduct of hearings before the Council except through the President, or acting President, of the Council. The advisor should be governed at all times by the principle that a hearing before the Honor Council is primarily a matter of student responsibility.

- IX. Revision of the Honor Code will require confirmation by majority vote of those faculty and student body members voting.

### GRADUATE PROGRAM REGULATIONS

Academic regulations relating to the graduate programs are published in the *Graduate Bulletin*. Further information may be obtained from the Associate Dean for Graduate Studies at either Armstrong State College or Savannah State College.





## VII. STUDENT SERVICES, ACTIVITIES

The Office of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Office of Student Affairs through the following individuals: Counselors, Director of Financial Aid, Director of Student Activities, and the Campus Nurse.

### COUNSELING

Counselors are available in the Office of Student Affairs to assist students in making successful and realistic decisions and in choosing appropriate routes for attaining selected goals. The counseling process focuses on increasing the student's self-understanding and respect for his own ability to make decisions that will affect his life. All discussions are confidential in nature.

Counselors can assist students in clarifying educational and vocational objectives, in developing effective study skills and habits, and in dealing with problems of social and emotional significance. Counseling services are available to students at no charge.

### VETERANS SERVICES

Armstrong State College maintains a full-time Office of Veterans Affairs located in the Administration Building. The office employs a number of student/veterans to assist in meeting the needs of the veteran student body of Armstrong. A professional counselor is available to assist veterans with admission procedures, academic advisement, career development, and social and emotional adjustment to college. The office also assists veterans in finding part-time employment and housing. A short term loan program assists veterans with emergency loans.

### TESTING SERVICES

The following national testing programs are administered regularly by members of the counseling staff: Architectural School Aptitude Test (ASAT), College Level Examination Program (CLEP-History and Government Examinations), Dental Hygiene Aptitude Test, Graduate Record Examination (GRE), Graduate School Foreign Language Test (GSFLT), National Teacher Examination (NTE), and

the Scholastic Aptitude Test (SAT). Information and applications for the Dental Admissions Test, Law School Admission Test (LSAT), and the Medical College Admission Test (MCAT) can be obtained from the Office of Student Affairs.

Counselors also have available a variety of tests to assist students in assessing personal, educational, or vocational needs. These tests are administered individually to students and the results treated confidentially.

## ORIENTATION

The decision to enter college for further education and knowledge is an important point in an individual's process of self-development. Orientation in the fall at Armstrong State College is planned to aid the student in his transition to college by exposing him to the dynamics of successful decision-making. By using techniques that encourage the realization of possible outcomes and consequences, the student will learn to explore his possibilities with more understanding and confidence.

Freshmen participating in this program will be given information concerning student activities programs, visit campus facilities, and plan their class schedules with academic advisors.

During other quarters, an abbreviated orientation program is scheduled for students new to the college prior to their registration.

## PLACEMENT OFFICE

The Placement Office, located in the Office of Student Affairs, offers general assistance in the planning of career directions. The office operates a personal resume service for all regularly enrolled students and alumni of the college, receives listings of full-time career opportunities, and arranges on-campus recruiting with business, governmental and educational agencies. Students who wish to make use of the Placement Service should contact the Placement Office at least one year prior to completion of studies.

The Placement Office also provides a job listing and referral system for currently enrolled students who are seeking part-time, temporary, or vacation employment.

## CONDUCT

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System and Code of Conduct. The Honor System is outlined under "Academic Regulations" in this Bulletin and the Code of Conduct is published in the ARMSTRONG STUDENT HANDBOOK.

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System of Georgia is assumed. To enroll is to agree to assume responsibility for adhering to policies and using established channels to promote change. Not to do so is sufficient basis for the college to terminate a student's enrollment.

## STUDENT ACTIVITIES AND ORGANIZATIONS

In addition to an outstanding academic program, Armstrong State College offers a complete program of extra-curricular student activities designed to contribute to the development of the student and to assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program of student activities.

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include the following:

### Religious:

- United Christians on Campus
- Baptist Student Union

### Greeks:

- Alpha Gamma Delta Sorority
- Sigma Kappa Sorority
- Phi Mu Sorority
- Phi Kappa Theta Fraternity
- Pi Kappa Phi Fraternity
- Pi Kappa Alpha Fraternity
- Sigma Nu Fraternity

Professional:

Student Nurses Association of Georgia  
Future Secretaries Association  
Student Association of Educators  
American Junior Dental Hygienists Association  
Armstrong State College Mathematics Association  
Sigma Alpha Eta (National Speech & Hearing Association)  
American Chemical Society

Interest:

Glee Club  
Band  
Chess Club  
Cheerleaders  
Masquers  
Young Democrats  
Awareness Through Community Action (ATCA)  
Buccaneers  
Black American Movement

Honorary:

Delta Lambda Alpha (Scholastic honorary for freshman women)  
Phi Delta Theta (History)  
Pi Delta Phi (French)  
Pi Mu Epsilon (Mathematics)

## STUDENT GOVERNMENT

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and are entitled to vote in SGA elections. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.

## STUDENT PUBLICATIONS

The official student publications on campus include the *Inkwell* (the college newspaper) and the *Geechee* (the college annual). These publications are produced by students under the supervision of approved college advisors. Financed in part by the Student Activity Fund, these publications provide opportunities for students in creative writing, reporting, and design.



## HEALTH

Armstrong State College maintains a campus infirmary where a registered nurse is on duty from 8:15 a.m. until 5 p.m. Students who become ill or who are involved in accidents while on campus should not hesitate to avail themselves of this service.

The college also makes available, on a voluntary basis, a student health and accident insurance policy. Information regarding the program may be secured in the Office of Student Affairs.

## DENTAL HYGIENE SERVICES

The Dental Hygiene Clinic is available to students who wish to receive free oral examinations under the supervision of a dentist and registered hygienists.

## ALUMNI OFFICE

The primary purposes of the Alumni Office are to keep former students informed about the college and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Association and, upon payment of his dues, will receive association periodicals, and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions. For further information contact the Alumni Secretary.

## HOUSING

There is no student housing on campus. Private apartments for male, female, and married students, however, are available within walking distance of Armstrong State College. For further information regarding housing, please contact the Office of Student Affairs.

## ATHLETICS

Armstrong State College is affiliated with the National Collegiate Athletic Association, College Division. The College holds membership in the South Atlantic Conference. College teams participate in intercollegiate competition in basketball, baseball, tennis, golf, cross country track events, and bowling.

## INTRAMURALS

The Student Intramural Council and Intramural Department provides a diversified program available to all students and faculty including organized competitive sports, recreational activities, and clubs. Any student interested in participating in these activities should contact the Director of Intramurals.

## CULTURAL OPPORTUNITIES

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral and instrumental groups have created distinguished traditions.

## ARMSTRONG SUMMER THEATRE

The Armstrong Summer Theatre presents annually during the Summer Quarter a season of three plays with popular appeal, produced by a company of amateur talents (actors and technicians) from the college community. Participants may receive college credit (see course listing under Department of Languages and Literature).



# VIII. DEGREE PROGRAMS

## UNIVERSITY SYSTEM CORE CURRICULUM

Each unit in the University System of Georgia requires as a Core Curriculum for all baccalaureate degree programs the following minimum number of quarter hours in the major areas of study:

<i>Areas of Study</i>	<i>Minimum Quarter Hours Required</i>
I. Humanities, including, but not limited to grammar and composition and literature . . . . .	20
II. Mathematics and the natural sciences, including, but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences . . . . .	20
III. Social Sciences, including, but not limited to, history and American Government . . . . .	20
IV. Courses appropriate to the major field of the individual student . . . . .	30
	TOTAL . . .90

In addition to the University System Core Curriculum requirements as outlined above, Armstrong State College requires six quarter hours in physical education as part of all baccalaureate degree programs.

## ARMSTRONG STATE COLLEGE CORE CURRICULUM

The student in any baccalaureate degree program at Armstrong State College must complete the following specific Core Curriculum requirements. Consult the relevant departmental section for a complete statement of degree requirements for a specific program.

	<i>Quarter Hours</i>
Area I. Humanities . . . . .	20
English 121, 122, and 221	
One of the following courses:	
Art 200, Art 290, Art 291, Music 200,	
Philosophy 201, English 222	

Area II. Mathematics and the Natural Sciences .....20

One of the following course sequences:

Mathematics 101, 103

Mathematics 101, 195

Mathematics 101, 220

Mathematics 101, 290

One of the following course sequences:

Biology 101, 102

Chemistry 121, 122

Chemistry 128, 129

Physics 211, 212

Physics 217, 218

Physical Science 121, 122

Area III. Social Sciences .....20

History 114\*, 115\*

Political Science 113\*

One course selected from:

Psychology 101, Sociology 201, Anthropology 201,

Economics 201

Area IV. Courses Appropriate to the Major Field .....30

*Biology:*

*Qtr. Hrs.*

Foreign Language 101, 102 .....10

Chemistry 128, 129 .....10

Botany 203 ..... 5

Zoology 204 ..... 5

*Business Administration:*

*Qtr. Hrs.*

B. A. 211, 212 .....10

Economics 201, 202 .....10

Mathematics 220 ..... 5

B. A. 200 or 205 or Computer Science 110 ..... 5

*Business Education:*

*Qtr. Hrs.*

Psychology 101 ..... 5

Education 203 ..... 5

Speech 228 ..... 5

B. A. 211, 212 .....10

Economics 202 ..... 5

*\*\*Chemistry:*

*Qtr. Hrs.*

Physics 213 ..... 5

Chemistry 128, 129, 281 .....15

Mathematics 104, 201 .....10

*Computer Science:*

*Qtr. Hrs.*

Mathematics 104, 201, 202, 220 .....20

Computer Science 110, 241 .....10



<i>Criminal Justice:</i>	<i>Qtr. Hrs.</i>
History 251* or 252* .....	5
C. J. 100, 103, 201, 205 .....	20
Psychology 101 or Sociology 201 .....	5
<i>Dental Hygiene Education:</i>	
Associate degree required for admission to upper two-year curriculum.	
<i>Economics:</i>	<i>Qtr. Hrs.</i>
Foreign Language 101, 102, 103 or	
Mathematics 104, 201, 202 .....	15
Mathematics 220 .....	5
Economics 201, 202 .....	10
<i>Elementary Education:</i>	<i>Qtr. Hrs.</i>
Psychology 101 .....	5
Education 203 .....	5
Fifteen quarter hours to be selected from:	
Geography 111; Chemistry, Physics, or	
Physical Science (100-200 level) .....	15
Speech 228 .....	5
<i>English:</i>	<i>Qtr. Hrs.</i>
Foreign Language 101, 102, 103, 201 .....	20
Electives from: Art 200, 290, 291	
Music 200; Philosophy 201; English 222 .....	10
<i>French:</i>	<i>Qtr. Hrs.</i>
French 101, 102, 103, 201 .....	20
Electives from: Art 200, 290, 291;	
Music 200; Philosophy 201 .....	10
<i>History:</i>	<i>Qtr. Hrs.</i>
Foreign Language 101, 102 .....	10
History 251, 252* .....	10
Electives to be chosen from:	
Anthropology 201	
Criminal Justice 300; Economics 201, Geography 111,	
Mathematics 220, Political Science 200, Psychology 101,	
Sociology 201, Social Work 250 .....	10
<i>Mathematics (B.S. degree):</i>	<i>Qtr. Hrs.</i>
Mathematics 104, 201, 202, 203 .....	20
Foreign Language 101, 102 .....	10
<i>Mathematics (B.S.Ed. degree):</i>	<i>Qtr. Hrs.</i>
Psychology 101 .....	5
Education 203 .....	5
Mathematics 104, 201, 202 .....	15
Speech 228 .....	5
<i>Medical Technology:</i>	<i>Qtr. Hrs.</i>
Physics 211, 212, 213 .....	15
Chemistry 128, 129, 281 .....	15

<b>**Music:</b>	<b>Qtr. Hrs.</b>
Music Theory 111, 112, 113, 211, 212, 213 .....	18
Applied Music 140, 141, 142, 240 .....	8
Music 250 (Ensemble) .....	4
<b>Music Education:</b>	<b>Qtr. Hrs.</b>
Psychology 101 .....	5
Education 203 .....	5
Elective from: Art 200, 290, 291; Music 200 .....	5
Fifteen quarter hours to be selected from:	
Music Theory 111, 112, 113, 211, 212, 213;	
Applied Music 140, 141, 142, 240 .....	15
<b>Nursing:</b>	<b>Qtr. Hrs.</b>
Zoology 208, 209 .....	10
Biology 210 .....	5
Sociology 201 .....	5
Nursing 101, 102 .....	16
<b>Physical Education:</b>	<b>Qtr. Hrs.</b>
Speech 228 .....	5
Education 203 .....	5
P.E. 218 .....	5
P.E. 228, 229 .....	10
Psychology 101 .....	5
<b>Political Science:</b>	<b>Qtr. Hrs.</b>
Foreign Language 101, 102, 103, 201 .....	20
History 251* or 252* .....	5
Elective to be chosen from:	
Anthropology 201, Criminal Justice 300, Economics 201,	
Geography 111, History 251 or 252, Psychology 101,	
Sociology 201, Social Work 250 .....	5
<b>**Psychology:</b>	<b>*Qtr. Hrs.</b>
Mathematics 220 .....	5
Additional Lab Science Sequence .....	10
Electives from: Biology 101, 102; Anthropology 201;	
Sociology 201; Philosophy 201 .....	10
Psychology 101 .....	5
<b>Social Work:</b>	<b>Qtr. Hrs.</b>
Foreign Language 101, 102, 103 or Philosophy 201, Anthro-	
pology 201 and Social Science elective (100-200 level) .....	15
Sociology 201 .....	5
History 252* .....	5
Social Work 250 .....	5
<b>Speech Correction:</b>	<b>Qtr. Hrs.</b>
Physical Science 121 .....	5
Education 203 .....	5
Mental Health Work 102 .....	5
Special Education 205, 225, 230 .....	15

Area V. Physical Education Requirements (All Programs) . . . . . 6

P.E. 103 and P.E. 117

Three of the following courses:

P.E. 101, 102, 104, 105, 106, 107,

200, 201, 202, 203, 205, 206, 207, 208, 209

TOTAL . . .96

The student should complete all Core Curriculum requirements during his freshman and sophomore years. *ALL STUDENTS ARE REMINDED THAT SUCCESSFUL COMPLETION OF THE UNIVERSITY SYSTEM RISING JUNIOR ENGLISH EXAMINATION IS A REQUIREMENT FOR GRADUATION FROM ARMSTRONG STATE COLLEGE.*

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section in this *Bulletin*, or request further information from the Head of the Department of History and Political Science.

\*\*In addition, a foreign language sequence is recommended.

## DIAGNOSTIC TESTS IN ENGLISH AND MATHEMATICS

The College reserves the right to place entering students in appropriate English and Mathematics courses. Diagnostic tests are administered for this purpose. Each student must take the diagnostic test in mathematics before he may register for Mathematics 101 and must take the diagnostic test in English before he may register for English 191, 110, or 121. The dates scheduled for the administration of these diagnostic tests are listed in the College Calendar.

## STATE REQUIREMENTS IN HISTORY AND GOVERNMENT

By state law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Government and in Georgia History and Government. A student at Armstrong State College may demonstrate such proficiency by successfully completing History 251 or 252 and Political Science 113 or by successfully completing exemption examinations for which credit will be awarded. See "Academic Regulations" section in this *Bulletin*, or request further information from the Head of the Department of History and Political Science. Scheduled dates for exemption examinations are listed in the College Calendar.

## REQUIREMENTS FOR THE BACHELOR OF ARTS AND THE BACHELOR OF SCIENCE DEGREES

Requirements for each major program leading to the degree of Bachelor of Arts with a major in English, French, History, Music, Political Science, Psychology, Social Work, or Economics, or to the degree of Bachelor of Science with a major in Biology, Chemistry, or Mathematics are described in the appropriate departmental listing. For the B.A. and B.S. degrees, a minimum of 185 quarter hours, exclusive of the required physical education courses, is required for graduation.

Each student in one of these major programs must complete the 96-hour core curriculum requirement as listed above.

The student will not be allowed to take senior division courses in his major field unless he has a minimum grade of "C" in all prerequisite courses in that field. No major program in a department will require more than 60 quarter hours at all levels in the major field; however, the department may recommend up to 70 quarter hours.

For its major program, a department will require from 15 to 30 quarter hours of specific courses or approved elective courses in related fields and may require language courses reaching the degree of proficiency specified by the department. Total requirements in the major and related fields may not exceed 85 quarter hours.

Each B.A. or B.S. degree program will include a minimum of 15 quarter hours of free electives.

### TEACHER EDUCATION

All teacher education programs are approved by the National Council for the Accreditation of Teacher Education (NCATE) and by the Georgia State Department of Education. Upon verification by the College that the student has completed successfully an approved program, the student applies to the State Department of Education for the appropriate certificate. Armstrong State College offers the following approved Teacher Education programs:

#### Approved Programs

Elementary Education (Grades 1-8)

Speech Correction

Secondary Programs (Grades 7-12)

Business Education (Comprehensive or Bookkeeping and  
Business Management)



English  
Mathematics  
Science (Biology)  
Science (Chemistry)  
Social Studies (History)  
Social Studies (Political Science)  
Social Studies (Behavioral Sciences)  
All Levels (Grades 1-12)  
Music  
Physical Education

All students completing teacher education programs are required to take both the Common Examinations and the appropriate Teaching Area Examination of the National Teacher Examinations. Students must submit the scores from these examinations or evidence that the examinations have been completed to the Department of Education before the college can verify that an approved program has been completed. Additional information about the National Teacher Examinations can be secured from the Office of the Dean of Student Affairs.

#### Teacher Library Service Endorsement

This program may constitute an area of concentration for elementary teachers and an endorsement on the certificate for secondary teachers. The program is also intended to create interest in librarianship. The courses are as follows:

Library Science 310, 320, 410, 420

20 Q.H.

#### Academic Advisement

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence to the Department of Education for academic advisement. He should follow without deviation the approved program. Upon admission to teacher education, students will be assigned advisors as follows:

1. Elementary education and speech correction majors are assigned an advisor in the Department of Education who will assist the student in planning the total program of studies.
2. Students pursuing secondary or all level programs will be assigned an advisor in the Department of Education to assist them concerning the professional sequence courses and certification requirements. In addition, students will have an advisor in the teaching field major to approve the courses in the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major. Each student *must* have his secondary teaching program

approved in advance by both advisors. Special forms for this purpose are to be filed with each advisor and a copy given to the student.

### Admission to Teacher Education

All students must apply for admission to teacher education at Armstrong State College. This application will normally be filed during the third quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the office of the Head of the Department of Education. The following criteria are used in admitting applicants to teacher education:

1. Completion of at least 60 quarter hours of college credit with a 2.50 GPA and completion of Education 203 and English 121, 122, and 221 or their equivalents with a "C" or better.
2. Competence in oral and written expression.
3. Satisfactory physical and emotional health.
4. Indication of desirable attitude, character, and teaching potential.

### September Practicum

The purpose of the September Practicum is to provide an opportunity for future teachers (1) to learn what teachers do at the beginning of a new school term, (2) to participate in experiences that will assist the prospective teacher with future decisions concerning teaching as a career, and (3) to become acquainted with the organization and curriculum of a particular school.

The September Practicum occurs during the first two weeks of the public school term (usually in late August and early September) and should be scheduled during the student's junior or senior year. No credit is given for the September Practicum, but it is a *requirement* in all of the teaching fields in the Armstrong State College Teacher Education Program.

Application for the September Practicum should be made during the first week of the Spring Quarter for a September Practicum in the forthcoming September. The student should contact the Director of Professional Laboratory Experiences in the Department of Education.

## Student Teaching

Student Teaching, the culminating activity of the professional sequence, is provided in selected off-campus school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and supervising teachers. Completed applications for admission to student teaching must be submitted to the Director of Professional Laboratory Experiences during the first week of the quarter preceding student teaching. While student teaching, the student is required to adhere to established policies and procedures of the cooperating school system in addition to those policies and procedures established by the college and the Department of Education.

A student is admitted to student teaching at the time assignment is made. While student preferences and other personal circumstances are considered, the Department of Education reserves the right to exercise its discretion in placement. The student will receive a letter of assignment. Orientation to student teaching will be held during the first several days of the quarter in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

1. Be admitted to the Teacher Education Program.
2. Have at least senior status. All teaching field courses will normally have been completed.
3. Have completed the required professional sequence courses with a grade of "C" or higher. Elementary majors must make a grade of "C" or higher on all specialized content courses. Students in Speech Correction must have completed all of the 300 level sequence courses in Special Education with a grade of "C" or better.
4. Have a 2.5 average at Armstrong State College on all courses attempted, and a 2.2 or higher average on all courses acceptable toward the teaching field, concentration, and related elective.
5. Have satisfactorily completed the related professional laboratory experiences including the "September Practicum."
6. Have satisfactorily completed the Media Competency Examination.
7. Be recommended by two academic professors and two members of the Department of Education, one of whom must be the student's advisor.

8. Be approved by the Head of the Department of Education.
9. Students in elementary education must have completed at least four of the specialized content courses, including the Teaching of Reading and Mathematics for the Elementary Teacher, with grades of "C" or better. Students in Speech Correction must have completed, with a grade of "C" or better, Special Education 410 (Group Processes) and Special Education 415 (Articulation Problems).

A student will not be permitted to take additional courses during student teaching or to hold any form of employment. Student teachers are not permitted to teach in a school in which their children are enrolled.

### Programs of Study

For the programs of study for the Bachelor of Science degree in Education with majors in Mathematics and Physical Education and for the program of study for the Bachelor of Music Education degree, please see the appropriate departmental listing in Section IX.

#### Bachelor of Science in Education: Speech Correction

	<i>Quarter Hours</i>
A. General Requirements .....	76
1. Humanities: 20 quarter hours	
English 121, 122, 221, and one course selected	
from: Art 200, 290, 291; Music 200;	
Philosophy 201; English 222 .....	20
2. Social Sciences: 25 quarter hours	
History 114*, 115*, and History 251* or 252* .....	15
Political Science 113* .....	5
Psychology 101 .....	5
3. Science: 25 quarter hours	
Biology 101, 102 .....	10
Physical Science 121 .....	5
Mathematics 101 .....	5
Mathematics 195 or 290 .....	5



## 4. Physical Education: 6 quarter hours

Physical Education 103 ..... 1

Physical Education 117 ..... 2

Three courses selected from:

P.E. 101, 102, 104, 105, 106, 107,  
200, 201, 202, 203, 205, 206, 207, 208, 209 ..... 3

## B. Speech Correction .....55

Special Education 225 ..... 5

Special Education 230 ..... 5

Special Education 315 ..... 5

Special Education 320 ..... 5

Special Education 335 ..... 5

Special Education 410 ..... 5

Special Education 411 ..... 5

Special Education 412 ..... 5

Special Education 413 ..... 5

Special Education 415 ..... 5

Special Education 420 ..... 5

Each quarter, following completion of the courses Special Education 410 and Special Education 415, the student will be assigned cases at the Savannah Speech and Hearing Center for supervised clinical practice.

## C. Related Courses .....15

Mental Health 102 ..... 5

Psychology 305, 405 .....10

## D. Professional Sequence Courses .....45

Psychology 301 ..... 5

Education 203, 301, 330, 425, 446, 447, 448 .....35

Special Education 205 ..... 5

TOTAL ..191

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 of this section.

A. General Requirements .....	96
1. Humanities: 30 quarter hours	
Art 200, 290, 291; Music 200; or Philosophy 201 ....	5
English 121, 122, 221 .....	15
Speech 228 .....	5
Sociology 201 or Anthropology 201 .....	5
2. Social Sciences: 30 quarter hours	
Geography 111 .....	5
History 114*, 115*, and History 251* or 252* .....	15
Political Science 113* .....	5
Psychology 101 .....	5
3. Science: 30 quarter hours	
Biology 101, 102 .....	10
Chemistry 121, 122; Physics 211, 212; or	
Physical Science 121, 122 .....	10
Mathematics 101 and one of the following:	
Mathematics 103, 195, 220, 290 .....	10
4. Physical Education: 6 quarter hours	
Physical Education 103, 117 .....	3
Three courses selected from:	
P.E. 101, 102, 104, 105, 106, 107,	
200, 201, 202, 203, 205, 206, 207, 208, 209 .....	3
B. Electives .....	25
1. Approved electives to establish added proficiency in one	
area of concentration chosen to correspond to the	
elementary curriculum: art, language arts, mathematics,	
modern foreign languages, music, sciences, social	
sciences, or teacher library service .....	20
2. Approved elective in related field .....	5
C. Specialized Content Courses .....	30
1. Education 425 .....	5
2. Mathematics 391 .....	5
3. Four of the following courses: .....	20
Art 320	
Education 434	
English 331	
Music 320	
Physical Education 320	

D. Professional Sequence Courses .....	40
Psychology 301 .....	5
Education 203, 301, 435, 436, 446, 447, 448 .....	35
TOTAL ..	
191	

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

Program for Secondary School Teachers  
of Business Education  
(Comprehensive Certification)

	<i>Quarter Hours</i>
A. General Requirements .....	100
1. English 121, 122, 221, 222 .....	20
2. Speech 228 .....	5
3. History 114*, 115* .....	10
4. Economics 201, 202 .....	10
5. Political Science 113* .....	5
6. Mathematics 101, 195, 220 .....	15
7. One of the following two-course sequences: .....	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122	
8. Psychology 101, plus four of the following courses: ..	25
Economics 326	
History 251* or 252*	
Psychology 305	
Sociology 201	
Music 200; Art 200, 290, 291; or Philosophy 201	
B.A. 200 or 205 or Computer Science 110	
B. Courses in Business Education .....	23-28
B.E. 104, Beginning Typewriting .....	2
B.E. 105, Intermediate Typewriting .....	2
B.E. 106, Advanced Typewriting .....	2
B.E. 111, Beginning Gregg Shorthand .....	3
B.E. 112, Intermediate Gregg Shorthand .....	3
B.E. 113, Advanced Gregg Shorthand .....	3
B.E. 212, Office Machines .....	3
B.E. 213, Office Procedures .....	5
B.A. 315, Business Communications .....	5
(B.E. 104 and 111 are often exempted. See course descriptions.)	

C. Courses in Business Administration .....	25
B.A. 211, 212 .....	10
Three of the following courses: .....	15
B.A. 307, Business Law I	
B.A. 340, Principles of Marketing	
B.A. 360, Principles of Management	
B.A. 375, Personnel Administration	
Econ. 327, Money and Banking	
Econ. 331, Labor and Industrial Relations	
Econ. 335, Public Finance	
D. Physical Education .....	6
Physical Education 103, 117 .....	3
Three courses selected from: .....	3
P.E. 101, 102, 104, 105, 106, 107, 200,	
201, 202, 203, 205, 206, 207, 208, 209	
E. Professional Sequence .....	35
Education 203, 330, 438, 446, 447, 448 .....	30
Psychology 301 .....	5
TOTAL .....191-194	

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section. Unless History 251 or 252 is exempted by examination, one of the courses is required as a part of the student's program.

### Program for Secondary School Teachers of Business Education (Bookkeeping and Business Management)

	Quarter Hours
A. General Requirements .....	100
1. English 121, 122, 221, 222 .....	20
2. Speech 228 .....	5
3. History 114*, 115* .....	10
4. Economics 201, 202 .....	10
5. Political Science 113* .....	5
6. Mathematics 101, 195, 220 .....	15
7. One of the following two-course sequences: .....	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122	



8. Psychology 101, plus four of the following courses: . . .25	
Economics 326	
History 251* or 252*	
Music 200, or Art 200, or Philosophy 201	
Business Administration 200 or 205 or	
Computer Science 110	
Psychology 305	
Sociology 201	
B. Courses in Business Education . . . . .	12-14
B.E. 104, Beginning Typewriting . . . . .	2
B.E. 105, Intermediate Typewriting . . . . .	2
B.E. 106, Advanced Typewriting . . . . .	2
B.E. 212, Office Machines . . . . .	3
B.E. 213, Office Procedures . . . . .	5
C. Courses in Business Administration . . . . .	40
1. B.A. 315, Business Communication . . . . .	5
2. B.A. 211, 212, Principles of Accounting . . . . .	15
B.A. 301, Intermediate Accounting I	
3. B.A. 307, Business Law I . . . . .	5
4. Three of the following courses: . . . . .	15
B.A. 302, Intermediate Accounting II	
B.A. 308, Business Law II	
B.A. 340, Principles of Marketing	
B.A. 360, Principles of Management	
B.A. 375, Personnel Administration	
Econ. 327, Money and Banking	
Econ. 331, Labor and Industrial Relations	
Econ. 335, Public Finance	
D. Physical Education . . . . .	6
Physical Education 103, 117 . . . . .	3
Three courses selected from: . . . . .	3
P.E. 101, 102, 104, 105, 106, 107, 200	
201, 202, 203, 205, 206, 207, 208, 209	
E. Professional Sequence . . . . .	35
Education 203, 330, 438, 446, 447, 448 . . . . .	30
Psychology 301 . . . . .	5
TOTAL . . . . .	193-195

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section. Unless History 251 or 252 is exempted by examination, one of the courses is required as a part of the student's program.

# Program for Secondary School Teachers of English

Quarter Hours

A. General Requirements .....	90
1. English 121, 122, 221, 222 .....	20
2. One Foreign Language .....	20
3. Art 200, 290, 291 or Music 200 .....	5
4. History 114*, 115* .....	10
5. History 251*, or 252* .....	5
6. Psychology 101 and Political Science 113* .....	10
7. Freshman Mathematics .....	10
8. One of the following two-course sequences: .....	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
B. Courses in Major Field .....	40
Students must complete the requirements for a major in English, including English 325.	
C. Related Fields .....	25
Five of the following courses:	
Fine Arts (300 level or above)	
Foreign Language (300 level or above)	
History (300 level or above)	
Speech 228, 341, 345, 346, 400, 450	
Philosophy 201, 301, 302, 303, 320, 400, 490	
Education 425	
(Five hours of the Related Fields requirement must be Speech 228 or Speech 341.)	
D. Physical Education .....	6
Physical Education 103, 117 .....	3
Three courses selected from: .....	3
P.E. 101, 102, 104, 105, 106, 107, 200,	
201, 202, 203, 205, 206, 207, 208, 209	
E. Professional Sequence .....	35
Education 203, 330, 439, 446, 447, 448 .....	30
Psychology 301 .....	5
TOTAL ..	196

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

Program for Secondary School Teachers of Science  
with a Major in Biology

*Quarter Hours*

A. General Requirements .....	90
1. English 121, 122, 221 and one course selected from: .....	20
Art 200, 290, 291; Music 200; Philosophy 201; English 222	
2. One Foreign Language .....	15
3. History 114*, 115* .....	10
4. History 251* or 252* .....	5
5. Psychology 101 and one of the following courses: ...	10
Economics 201	
Political Science 113*	
Sociology 201	
6. Mathematics 101, 220 .....	10
7. The following courses: .....	20
Biology 101, 102	
Botany 203 and Zoology 204	
B. Courses in Major Field .....	40
Students must complete the requirements for a major in biology including Biology 370, 480; Botany 410 or Zoology 410.	
C. Courses in Other Sciences .....	35
Chemistry 128, 129, 341, 342, 343 .....	25
Physics 211, 212 .....	10
D. Physical Education .....	6
Physical Education 103, 117 .....	3
Three courses selected from: .....	3
P.E. 101, 102, 104, 105, 106, 107, 200, 201, 202, 203, 205, 206, 207, 208, 209	
E. Professional Sequence .....	35
Education 203, 330, 444, 446, 447, 448 .....	30
Psychology 301 .....	5
TOTAL ..	206

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

Program for Secondary School Teachers of Science  
with a Major in Chemistry

*Quarter Hours*

A. General Requirements .....	75
1. English 121, 122, 221, and one course selected from: .20	
Art 200, 290, 291; Music 200;	
Philosophy 201; English 222	
2. History 114*, 115* .....	10
3. History 251* or 252* .....	5
4. Psychology 101 and one of the following courses: ...10	
Economics 201	
Political Science 113*	
Sociology 201	
5. Freshman Mathematics and Mathematics 104, 201 ...	20
6. Chemistry 128, 129 .....	10
B. Courses in Major Field .....	50
Chemistry 281, 380 .....	10
Chemistry 341, 342, 343 .....	15
Chemistry 491, 492, 493 .....	12
Chemistry 480 .....	5
Chemistry Electives .....	8
C. Courses in Other Sciences .....	25
Biology 101, 102 .....	10
Physics .....	15
D. Physical Education .....	6
Physical Education 103, 117 .....	3
Three courses selected from: .....	3
P.E. 101, 102, 104, 105, 106, 107,	
200, 201, 202, 203, 205, 206, 207, 208, 209	
E. Professional Sequence .....	35
Education 203, 330, 444, 446, 447, 448 .....	30
Psychology 301 .....	5
TOTAL ..	191

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.



Program for Secondary School Teachers  
of Social Science  
(Behavioral Sciences)

*Quarter Hours*

A. General Requirements .....	85
1. English 121, 122, 221 and one course selected from:	
Art 200, 290, 291; Music 200; Philosophy 201; English 222 .....	20
2. Approved Mathematics Sequence and Mathematics 220 (Statistics) .....	15
3. Biology 101, 102 .....	10
4. History 114*, 115* .....	10
5. Political Science 113* .....	5
6. Psychology 101, 102 .....	10
7. History 251* or 252* .....	5
8. Additional Laboratory Science Sequence .....	10
B. Courses in Major Field .....	40
Psychology 303, 307, 308, 311, 312, 410, 411, 412	
C. Supporting Work .....	20
Anthropology 201 and Anthropology 300 or 450 .....	10
Sociology 201 and Sociology 350 or 450 .....	10
D. Electives (from the following) .....	5-10
Social Work 320 Psychology 405, 406	
E. Physical Education .....	6
P.E. 103, 117 .....	3
Three courses selected from: .....	3
P.E. 101, 102, 104, 105, 106, 200, 201, 203, 205, 206, 207, 208, 209	
F. Professional Sequence .....	35
Education 203, 330, 440, 446, 447, 448; Psychology 301	
TOTAL .....	191-196

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

Program for Secondary School Teachers of Social Science  
(History or Political Science)

*Quarter Hours*

I. History Concentration

A. General Requirements .....	80
1. English 121, 122, 221 .....	15
2. One Foreign Language .....	15
3. Art 200, 290, 291, Music 200, English 222, or Philosophy 201 .....	5
4. History 114, 115* .....	10
5. History 251* or 252* .....	5
6. Political Science 113* and Psychology 101 .....	10
7. Freshman Mathematics (including Mathematics 220) .....	10
8. One of the following two-course sequences: .....	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122	
B. Additional Courses in History (all must be upper division) .....	35
History 300 .....	5
U.S. History .....	10
European History .....	10
Non-Western History .....	10
C. Supporting work to be selected from at least two of the following fields: .....	40
1. Political Science .....	20
Political Science 200 .....	5
U.S. Government (300 level) .....	5
Political Science Electives (300 level) .....	10
2. Economics .....	20
Economics 201, 202 .....	10
Advanced Economics electives .....	10
3. Behavioral Sciences .....	20
Sociology 350 .....	5
Psychology 410 .....	5
Advanced electives in Psychology or Sociology .....	10

D. Physical Education .....	6
Physical Education 103, 117 .....	3
Three electives courses .....	3
E. Professional Sequence .....	35
Education 203, 330, 440, 446, 447, 448 .....	30
Psychology 301 .....	5

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TOTAL ..196

## II. Political Science Concentration

A. General Requirements .....	80
1. English 121, 122, 221 .....	15
2. One Foreign Language .....	15
3. Art 200, 290, 291, Music 200, English 222, or Philosophy 201 .....	5
4. History 114, 115* .....	10
5. History 251* or 252* .....	5
6. Political Science 113* and Psychology 101 .....	10
7. Freshman Mathematics (including Mathematics 220) .....	10
8. One of the following two-course sequences: ...	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122	
B. Additional courses in Political Science (all must be upper division) .....	35
At least 5 Q.H. must be taken from each area	
1. Public Administration (300's)	
2. U.S. Government (310's)	
3. International Affairs (320's)	
4. Political Theory (330's)	
5. Comparative Government (340's)	
C. Supporting work to be selected from at least two of the following fields: .....	40
1. History .....	20
History 251* or 252* .....	5
U.S. History (300 level) .....	5
Advanced History Electives .....	10

2. Economics .....	20
Economics 201, 202 .....	10
Advanced Economics Electives .....	10
3. Behavioral Sciences .....	20
Sociology 350 .....	5
Psychology 410 .....	5
Advanced Electives in Psychology or Sociology .....	10
D. Physical Education .....	6
Physical Education 103, 117 .....	3
Three elective courses .....	3
E. Professional Sequence .....	35
Education 203, 330, 440, 446, 447, 448 .....	30
Psychology 301 .....	5
	<hr/>
	TOTAL ..196

### III. Political Science or History used as minor fields:

A. History — History 251* or 252* .....	5
U.S. History (300 level) .....	5
Advanced history electives (300 level) .....	<u>10</u>
	20
B. Political Science — Political Science 200 .....	5
U.S. Government (300 level) .....	5
Political Science electives (300 level) .....	<u>10</u>
	20

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.



## BUSINESS ADMINISTRATION

### Bachelor of Arts with a Major in Economics

Armstrong State College offers a four-year program leading to a Bachelor of Arts degree with a major in Economics. This liberal arts program provides a good preparation for anyone who plans to work in industry, or pursue further professional education in business, economics, education, or law. Requirements for this degree are described in the departmental listing for the Department of Business Administration.

### Bachelor of Business Administration with Majors in Accounting, Economics, Finance, Information Systems, Management and Management-Marketing

The Bachelor of Business Administration degree is offered with a choice of specialization. These programs are appropriate for students who wish a broad general education in business in addition to a concentration in one area. For a description of these programs, see the listing under the Department of Business Administration.

### Bachelor of Business Administration with a Major in Business Education

This four-year degree program prepares teachers of high school business subjects such as bookkeeping and business management and/or secretarial skills such as typing, shorthand, office machines, and office procedures. Requirements are listed under the Teacher Education section of this bulletin.

### Associate in Arts (Secretarial Studies)

This two-year program is designed to meet the needs of students who wish to qualify for secretarial positions after two years of study. The Associate in Arts degree (Secretarial Studies) is awarded upon completion of the program. The program requirements are listed below:

	<i>Quarter Hours</i>
1. English 121, 122, 221, and a humanities elective . . . . .	20
2. History 114*, 115* . . . . .	10
3. One of the following two-course sequences: . . . . .	10
Biology 101, 102	
Chemistry 121, 122	

Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122	
4. Mathematics 101 .....	5
5. Three of the following courses .....	15
Economics 201	
Political Science 113*	
Psychology 101	
Sociology 201	
History 251* or 252*	
6. Physical Education 103, 117, and three courses selected from: .....	6
P. E. 101, 102, 104, 105, 106, 107, 200, 201, 202, 203, 205, 206, 207, 208, 209	
7. Secretarial courses:	
Business Education 104, 105, 106 .....	4-6**
Business Education 111, 112, 113 .....	6-9**
Business Education 212 .....	3
Business Education 213 .....	5
Business Administration 211 .....	5
Business Administration 315 .....	5
TOTAL .....	
96-99	

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

\*\*Students who have earned high school credit in a one-year course in typewriting and/or Gregg shorthand (or the college equivalent—one quarter or one semester) may not take for credit the beginning course in the subject in which this previous credit has been earned (B.E. 104, B.E. 111). These students should begin in the typewriting and/or shorthand sequence with the intermediate course in the subject.

## BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

The Coordinator of this degree program is Dr. L. B. Davenport, Jr., Head of the Department of Biology. Armstrong State College cooperates with Memorial Hospital of Chatham County in awarding a Bachelor of Science Degree in Medical Technology. This program has been approved by the Council on Medical Education of the American Medical Association and by the Board of Schools of Medical Technology of the American Society of Clinical Pathologists. The student must successfully complete the following courses:

1. English 121, 122, 221, and one course selected from . . . . .	20
Art 200, 290, 291; Music 200; Philosophy 201; English 222	
2. History 251* or 252* . . . . .	5
3. Political Science 113* . . . . .	5
4. History 114*, 115* . . . . .	10
5. Mathematics 101, 220 . . . . .	10
6. Psychology 101 or Sociology 201 . . . . .	5
7. Physics 211, 212, 213 . . . . .	15
8. Chemistry 128-129, 281, 341, 342, 343, and 380 . . . . .	35
9. Biology 101-102, Zoology 204, 356, Biology 351, 370, and Zoology 372 . . . . .	35
10. Physical Education . . . . .	6
11. Internship in Clinical Medical Technology . . . . .	45
TOTAL	191

After satisfactorily completing the required number of courses and hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. Upon satisfactory completion of this work, the student will be awarded the degree of Bachelor of Science and will qualify for the examination given by the Registry of Medical Technologists.

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

## BACHELOR OF ARTS IN SOCIAL WORK

Armstrong State College offers a four-year program leading to a Bachelor of Arts degree in Social Work which is designed to prepare students to assume positions in various social service agencies. This program is offered cooperatively with Savannah State College and makes use of an off-campus facility for various training experiences. Requirements for this degree are described in the departmental listing for the Department of Psychology and Sociology.

## BACHELOR OF SCIENCE IN EDUCATION WITH MAJORS IN MATHEMATICS AND PHYSICAL EDUCATION

Armstrong State College offers the Bachelor of Science in Education degree with majors in Mathematics and Physical Education. These specialized degree programs are designed to prepare students for careers in the teaching of Mathematics or Physical

Education. Requirements for the major programs are described in the appropriate departmental listings.

## BACHELOR OF MUSIC EDUCATION

Armstrong State College offers a four-year program leading to a Bachelor of Music Education degree designed for those students in Music who want to prepare for a career in teaching. Requirements for this degree are described in the departmental listing for the Department of Fine Arts.

## NURSING

### Associate in Arts In Nursing

For the two-year program leading to the Associate in Arts degree in Nursing, the student must complete the curriculum of 49 quarter hours in academic courses and 52 quarter hours of professional clinical courses as listed under the Department of Nursing. This program provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible for licensure to practice as registered nurses. The curriculum is approved by the Georgia State Board of Nursing Examiners and is fully accredited by the National League for Nursing.

### Bachelor of Science in Nursing

Armstrong State College offers an upper division undergraduate curriculum leading to the Bachelor of Science degree in Nursing for graduate registered nurses from associate degree or diploma nursing programs. The program is planned to build on the student's previously acquired professional knowledge and experience and is designed to prepare registered nurses for first-level leadership positions in nursing. Additional information relating to this degree program appears under the listing for the Department of Nursing.

## DENTAL HYGIENE

### Associate in Science in Dental Hygiene

For the two-year (seven quarters) program leading to the Associate in Science degree in Dental Hygiene, the student must complete a curriculum of 54 quarter hours in academic courses and 61 quarter hours in professional dental hygiene courses. The purpose of this program is to provide trained personnel in a rapidly growing and



important health profession. Dental hygienists provide dental health services in private dental offices, civil service positions, industry, and in various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure. The curriculum is fully approved by the National Council on Dental Education.

### Bachelor of Science in Dental Hygiene Education

A Bachelor of Science degree in Dental Hygiene Education can be earned by an additional two years (six quarters) of study. This curriculum of 93 quarter hours is designed to prepare dental hygienists for careers in teaching in schools of dental hygiene.

## CRIMINAL JUSTICE

Armstrong State College provides professional education to prepare students for careers in many areas in the administration of criminal justice. A strong liberal arts emphasis has been developed within the criminal justice program, enabling the student to prepare for new and demanding requirements in his profession. Specific courses in criminal justice are open to all students as electives. Students who plan to follow careers in social work, law, journalism, or special education may find courses in the criminal justice area both interesting and useful. Non-majors should consult with their faculty advisors before electing these courses.

### Associate in Science in Criminal Justice

The curriculum for this program has been designed to lead to a two-year terminal degree, the Associate in Science in Criminal Justice, or to serve as the basic preparation for an upper two-year curriculum leading to the Bachelor of Science degree in Criminal Justice. For course requirements, see listing under the Department of Criminal Justice.

### Bachelor of Science in Criminal Justice

Armstrong State College and Savannah State College cooperate in the offering of a baccalaureate degree program in the criminal justice area. Both colleges award the baccalaureate degree in criminal justice with students at each institution enrolling for classes at both institutions. A student enrolling in this program at either institution should work closely with his on-campus faculty advisor.

The four-year curriculum for this degree program has been designed to provide the broadest possible liberal arts and professional training for students who are planning careers in the criminal justice

area. The student who has earned the Associate in Science degree in Criminal Justice may transfer to the baccalaureate program with a minimum of difficulty. For specific course requirements, see listing under the Department of Criminal Justice.

MENTAL HEALTH WORK

Armstrong State College offers a program leading to the Associate in Science degree in Mental Health Work. Students in this degree program are trained to serve as assistants to professionals in the provision of mental health services. The individual who earns this degree may return to the college with minimum difficulty to enroll in upper division programs leading to a baccalaureate degree. Additional information on this degree program is provided in the listing for the Department of Psychology and Sociology.

ASSOCIATE IN ARTS

For the two-year degree of Associate in Arts, a student must complete the last 45 quarter hours of course-work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	<i>Quarter Hours</i>
1. English 121, 122, 221, and one course selected from: . . . . .	20
Art 200, 290, 291; Music 200; Philosophy 201; English 222	
2. History 114*, 115* . . . . .	10
3. One of the following two-course sequences: . . . . .	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122,	
4. Mathematics 101 . . . . .	5
5. Two of the following courses: . . . . .	10
Economics 201	
Political Science 113*	
Psychology 101	
Sociology 201	
History 251* or 252*	

6. Physical Education 103, 117, and three courses selected from: . . . . .	6
P. E. 101, 102, 104, 105, 106, 107, 200, 201, 202, 203, 205, 206, 207, 208, 209	
7. Electives . . . . .	35
	TOTAL . . . . 96

(If a student plans to continue work in the future toward a baccalaureate degree, he should select courses that will meet the listed requirements of the baccalaureate degree program.)

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and footnote on page 91 in this section.

## GRADUATE PROGRAMS

For the requirements for the Master of Business Administration degree and the Master of Education degree in Elementary Education, Special Education — Behavior Disorders, Biology, Chemistry, English, History, Political Science, or Mathematics, please see the *Graduate Bulletin*.

## COMPLETE LIST OF MAJOR PROGRAMS—FOUR YEAR AND TWO YEAR DEGREES

1. Bachelor of Arts with a major in English.
2. Bachelor of Arts with a major in English and requirements for secondary certification.
3. Bachelor of Arts with a major in History.
4. Bachelor of Arts with a major in History and requirements for secondary certification.
5. Bachelor of Arts with a major in Political Science.
6. Bachelor of Arts with a major in Political Science and requirements for secondary certification.
7. Bachelor of Arts with a major in Psychology.
8. Bachelor of Arts with a major in Psychology with Mental Health Work specialization.
9. Bachelor of Arts with a major in Psychology and requirements for secondary certification in Behavioral Science.
10. Bachelor of Arts with a major in Music.
11. Bachelor of Music Education.
12. Bachelor of Science with a major in Biology.
13. Bachelor of Science with a major in Biology and requirements for secondary certification.
14. Bachelor of Science with a major in Chemistry.

15. Bachelor of Science with a major in Chemistry and requirements for secondary certification.
16. Bachelor of Science with a major in Mathematics.
17. Bachelor of Science in Education with a major in Mathematics.
18. Bachelor of Science in Elementary Education.
19. Bachelor of Business Administration with a major in Accounting.
20. Bachelor of Business Administration with a major in Economics.
21. Bachelor of Business Administration with a major in Management or in Management-Marketing.
22. Bachelor of Business Administration with a major in Business Education.
23. Bachelor of Business Administration with a major in Finance.
24. Bachelor of Business Administration with a major in Information Systems.
25. Bachelor of Arts in Economics.
26. Bachelor of Science in Medical Technology.
27. Bachelor of Science in Dental Hygiene Education.
28. Bachelor of Science in Education with a major in Speech Correction.
29. Bachelor of Arts with a major in French.
30. Bachelor of Arts in Social Work.
31. Bachelor of Science in Nursing.
32. Bachelor of Science in Criminal Justice.
33. Bachelor of Science in Education with a major in Physical Education.
34. Associate in Arts.
35. Associate in Arts in Nursing.
36. Associate in Science in Dental Hygiene.
37. Associate in Science in Criminal Justice.
38. Associate in Science in Mental Health Work.

## GRADUATE DEGREES

1. Master of Business Administration
2. Master of Education in:
  - Biology
  - Business Education
  - Chemistry
  - Elementary Education
  - English
  - History
  - Mathematics
  - Political Science
  - Special Education—Behavior Disorders



# IX. DEPARTMENTAL COURSE OFFERINGS AND REQUIREMENTS FOR MAJORS

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Armstrong State College reserves the right to (1) withdraw any course for which fewer than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

After each course name, there are three numbers in parenthesis. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Biology 101 - Principles of Biology (4-3-5).

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299, for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499, for the senior level.

For the requirements for the Master of Business Administration degree and the Master of Education degree in Elementary Education, Special Education — Behavior Disorders, Biology, Business Education, Chemistry, English, History and Political Science, or Mathematics, please see the *Graduate Bulletin*.

## ACADEMIC SKILLS LABORATORY

Assistant Professor John R. Hansen, Head; Assistant Professors Brown, Harris, Padgett, and Cottrell; Instructor Horton.

The Academic Skills Laboratory provides an opportunity for students to remove academic deficiencies in English, Mathematics, and Reading which might otherwise prevent their completing college work successfully. Institutional credit *only* is awarded for each course offered in the department. This credit does not apply to the requirements for a degree program or to the requirements for graduation from Armstrong State College.

Academic Skills Laboratory courses receive students from the following five sources:

1. A conditionally admitted student must enroll in those Academic Skills Laboratory courses appropriate to the removal of his specific areas of weakness as indicated by results of the

testing programs through which the student received conditional admittance status. To insure realistic class scheduling, the conditionally admitted student can enroll only in courses approved by the head of the Academic Skills Laboratory until such time as the student achieves full admission status.

2. The English or Mathematics Departments may place any students, on the basis of the student's performance on the English or the Mathematics Diagnostic Test, in the appropriate Academic Skills Laboratory courses.
3. Any student may be placed in any Academic Skills Laboratory courses on the basis of an unsatisfactory performance on the Rising Junior English Examination.
4. Any student may voluntarily enroll in any Academic Skills Laboratory course.
5. Any member of the general public may enroll in any Academic Skills Laboratory course through the Office of Community Services.

### *Course Offerings*

ENGLISH 98—Review of Grammar. (5-0-5). Offered each quarter. This course involves the study of sentence structure, including intensive practice in recognizing and writing English sentences.

ENGLISH 99—Fundamentals of Composition. (5-0-5). Offered each quarter.

This is the study and practice of techniques of paragraph structure. Students learn to write clearly, logically, coherently, and correctly.

MATHEMATICS 98—Review of Arithmetic. (5-0-5). Offered each quarter.

Students participate in activities designed to familiarize them with scientific notation and the metric system of measurement and to eliminate weaknesses in computation involving fractions, decimals, integers, and logarithms.

MATHEMATICS 99—Basic Mathematics. (5-0-5). Offered each quarter.

Topics include real number arithmetic, polynomial expressions, sets, linear and quadratic equations, and applications of geometry and trigonometry to measurement.

READING 98—Reading Skills. (5-0-5). Offered each quarter.

Students engage in activities designed to increase reading speed

and comprehension, to enlarge vocabulary, and to increase accuracy in spelling.

## ANTHROPOLOGY

(See listing under Department of Psychology and Sociology.)

## ART

(See listing under Department of Fine Arts.)

## DEPARTMENT OF BIOLOGY

Professor Leslie B. Davenport, Jr., Head; Professor Thorne; Associate Professors Beltz and Pingel; Assistant Professors Brower and Guillou; Teaching Associate Olmstead.

### Departmental Requirements for the Major in Biology

The major in biology consists of Biology 101, 102, Botany 203, Zoology 204, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. The majority of the courses in the major numbered 300 or above must be taken in the Biology Department at Armstrong State College.

In addition, biology majors must complete the course sequence in organic chemistry (15 quarter hours). The course in general college physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree. Majors must also complete a foreign language through 103.

Every student acquiring a major in biology must include in his program the following courses: Biology 370; Biology 480; and Botany 410 or Zoology 410. If credit for any of these three courses is transferred to Armstrong from another college, the department may require that it be validated by examination. Unless exempted by examination, each student must complete a course in United States history.

To be admitted to courses in biology above the freshman level (those numbered 200 or above), the student must have completed the prerequisites for each with at least a grade of "C" for each prerequisite. To be eligible for a B.S. degree in biology, the student



must have an average of at least "C" for all upper division courses (those numbered 300 or above) in biology.

Beginning students who have successfully completed strong courses in biology in high school are advised to take the examinations for advanced placement which are offered with the College Entrance Examinations. Arrangements to take these tests may be made through the office of the Dean of Student Affairs.

### *Course Offerings*

**BIOLOGY/PSYCHOLOGY 100—Human Sexual Relationships.** (3-0-3). Offered on demand. Prerequisite: none.

A scientifically oriented discussion of the anatomy, physiology, and psychology of human sexuality. Facts pertinent to population problems and venereal diseases will be included. Emphasis will be on individual responsibility through knowledge. Credit for either biology or psychology.

**BIOLOGY 101—Principles of Biology.** (4-3-5). Offered each quarter. Prerequisite: none.

Biological structure; the reproduction and development of organisms; the physical and chemical organization of protoplasm and cells.

**BIOLOGY 102—Principles of Biology.** (4-3-5). Offered each quarter. Prerequisite: Biology 101.

Biological function; bioenergetics of cells, cellular and organismal physiology, genetics, differentiation, behavior, ecology, and evolution.

**BIOLOGY 210—Micro-organisms and Disease.** (3-4-5). Spring. Prerequisites: Chemistry 305 and 306, Zoology 208 and 209, and consent of instructor.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and importance to public health of representative bacteria, fungi, viruses, and protozoa are considered. Credit for this course may not be applied toward a major in biology.

**BIOLOGY 310—Man and the Environment.** (5-0-5). Prerequisite: Completion of 75 quarter hours credit in college courses.

Consideration of the interactions between humans and the support systems of the earth which are essential to their existence. Credit for this course may not be applied toward a major in biology.

**BIOLOGY 351—Bacteriology** (3-4-5). Fall. Prerequisites: 10 hours of biological science, Chemistry 128-129.

A survey of micro-organisms with special emphasis on bacteria and their relationships to man.

**BIOLOGY 352—Medical Microbiology.** (3-4-5). Prerequisite: Biology 351 and permission of the instructor.

A comprehensive study of the disease-causing microbes in terms of their diagnosis, pathology, and epidemiology.

**BIOLOGY 354—Morphologic Haematology.** (3-4-5). Prerequisites: Biology 102 and Chemistry 129.

Cytology of normal and pathologic human blood and bone marrow with emphasis upon antigenic determination in blood banking.

**BIOLOGY 358—Histological Technique.** (0-10-5). Offered on demand. Prerequisites: Biology 101, 102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

**BIOLOGY 370—Genetics.** (3-4-5). Winter. Prerequisites: Biology 101, 102.

An introduction to the principles of biological inheritance.

**BIOLOGY 410—Cellular Physiology.** (3-4-5). Offered on demand. Prerequisites: At least third quarter junior status; two upper division courses in biology; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

**BIOLOGY 440—Cytology.** (2-6-5). Fall, odd numbered years. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

**BIOLOGY 450—Evolution.** (5-0-5). Winter. Prerequisite: major in biology (at least 15 qtr. hrs. credit in upper division courses).

Modern concepts in organic evolution.

**BIOLOGY 480—General Ecology.** (3-4-5). Spring. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

**BIOLOGY 490—Problems in Biology.** (1-5 hours credit). Offered on demand. Prerequisites: At least 20 hours credit in biology courses numbered 300 or above; a B average in biology courses and in overall work; consent of department head; agreement of staff member to supervise work.

Problems to be assigned and work directed by a member of the department. Supervised research including literature search, field and/or laboratory investigation, and presentation of acceptable, written report of results. Credit will depend upon the work to be done. Both credit and proposed work must be approved in advance,

in writing, by the faculty member to supervise the work and by the department head.

**BOTANY 203**—Survey of the Plant Kingdom. (3-4-5). Spring. Prerequisite: Biology 101 and 102.

Morphology and phylogeny of the divisions of the plant kingdom, with emphasis upon the evolution of the land flora.

**BOTANY 305**—Identification of Flowering Plants. (0-10-5). Spring. Prerequisite: Botany 203.

Studies in the identification of plants with emphasis on local flora.

**BOTANY 323**—Plant Anatomy. (0-10-5). Fall, even numbered years. Prerequisite: Botany 203.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers, and fruits.

**BOTANY 410**—Plant Physiology. (3-4-5). Summer. Prerequisites: Botany 203 and Organic Chemistry.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes.

**BOTANY 425**—Plant Morphology. (3-4-5). Offered on demand. Prerequisite: Botany 323.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

**ENTOMOLOGY 301**—Introductory Entomology. (3-4-5). Spring. Prerequisite: Zoology 204.

An introduction to the study of insects — their structure, identification, and biology.

**ZOOLOGY 204**—Survey of the Animal Kingdom. (3-4-5). Winter. Prerequisite: Biology 101 and 102.

An evolutionary survey of the major animal phyla.

**ZOOLOGY 208**—Human Anatomy and Physiology I. (4-3-5). Fall. Prerequisite: Chemistry 305 (may be taken concurrently).

A basic course considering the gross anatomy, histology, and physiology of the human organ systems. Intended primarily for majors in nursing and dental hygiene; credit for this course may not be applied toward a major in biology.

**ZOOLOGY 209**—Human Anatomy and Physiology II. (4-3-5). Winter. Prerequisites: Zoology 208, Chemistry 205 and 206 (latter may be taken concurrently).

A continuation of the basic course considering the anatomy and physiology of the human. Credit may not be applied toward a major in biology.

**ZOOLOGY 325**—Advanced Invertebrate Zoology. (3-4-5). Prerequisite: Zoology 204.



A study of the structure, body functions, interrelations, and natural history of the major invertebrate groups.

ZOOLOGY 355—Embryology. (3-4-5). Fall. Prerequisites: Zoology 204 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

ZOOLOGY 356—Comparative Anatomy of the Vertebrates. (3-6-6). Winter. Prerequisite: Zoology 204.

A study of the anatomy and evolution of the organ systems of the vertebrates.

ZOOLOGY 357—Animal Histology. (3-4-5). Winter. Prerequisite: Zoology 204.

A study of the tissues and their organization into organs and organ systems in animals.

ZOOLOGY 372—Parasitology. (3-4-5). Spring. Prerequisite: Zoology 204.

A comparative study of the internal and external parasites of man and other animals.

ZOOLOGY 410—General Vertebrate Physiology. (3-4-5). Fall. Prerequisites: Zoology 204 and Organic Chemistry.

An introduction to the general physiologic processes of the vertebrates.

ZOOLOGY 425—Marine Invertebrate Zoology. (2-6-5). Prerequisite: Zoology 325, or permission of instructor and department head.

Studies in the identification and ecologic distribution of marine invertebrates as exemplified by collection from the southeastern coastal region.

ZOOLOGY 429—Endocrinology. (4-4-5). Offered on demand. Prerequisites: Zoology 410 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

ZOOLOGY 435—Comparative Physiology. (3-4-5). Spring. Prerequisites: Zoology 204 and Organic Chemistry.

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

## BOTANY

(See listing under Department of Biology.)



## DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Orange Hall, Head; Professors Bhatia, Davis, Eason, Richards; Associate Professors Morgan and Squires; Assistant Professors Briercheck, Chambless, DeCastro, Jensen, LaBurtis, Pearce, and Zepp; Instructor Alexander.

The department offers two degree programs: the Bachelor of Arts degree with a major in economics and the Bachelor of Business Administration degree with majors in accounting, business education, economics, finance, information systems, management, and management-marketing.

The Bachelor of Arts degree with a major in economics is appropriate for the student who wishes a broad liberal arts program with emphasis on understanding the concepts underlying the working of economic systems. The program provides a good preparation for anyone who plans to work in industry, especially banking, insurance, or investments. It also provides excellent preparation for positions in government, or further professional education in business, economics, education, or law. This program requires proficiency in a foreign language through the 201 level or completion of the calculus sequence.

The Bachelor of Business Administration degree with a major in business education is designed to prepare teachers of high school business subjects, such as bookkeeping and business management, and/or secretarial skills, such as typing, shorthand, office machines, and office procedures. This program is described under the Teacher Education section of this bulletin.

The programs leading to the degree of Bachelor of Business Administration with a major in accounting, economics, finance, information systems, management, or management-marketing require, in addition to the general college core requirements, a common business core of ten courses, and a major concentration of six courses in the respective major field. These programs are most appropriate for students who wish a broad general education in business and economics and, in addition, a significant amount of specialized background in a single area to enhance their prospects for immediate employment in industry or government.

Students in all programs should be familiar with general degree requirements as listed in the "Degree Programs" section of this bulletin, and should satisfy the college core requirements during the Freshman and Sophomore years. No student will be allowed to take upper division courses in his major unless he has a minimum grade of "C" in all prerequisite courses. An average of at least 2.0 in his major

concentration courses is a requirement for graduation, and college academic regulations, stated elsewhere in this bulletin, impose certain additional degree requirements.

DEGREE REQUIREMENTS

Bachelor of Arts with a Major in Economics

	<i>Quarter Hours</i>
A. Humanities . . . . .	20
English 121, 122, and 221	
One of the following courses:	
Art 200, Art 290, Art 291, Music 200,	
Philosophy 201, English 222	
B. Mathematics and the Natural Sciences . . . . .	20
Mathematics 101, 103	
A Laboratory Science sequence	
C. Social Sciences . . . . .	20
History 114*, 115*	
Political Science 113*	
One course selected from:	
Psychology 101, Sociology 201, Anthropology 201	
D. Courses Appropriate to the Major Field . . . . .	30
Economics 201, 202	
Mathematics 220	
Foreign Language 101, 102, 103	
or	
Mathematics 104, 201, 202	
E. Physical Education . . . . .	6
P. E. 103 and P. E. 117	
Three of the following courses:	
P. E. 101, 102, 104, 105, 106, 107,	
200, 201, 202, 203, 205, 206, 207, 208, 209	
F. Major Concentration . . . . .	40
Economics 305, 306, 312, 435 and four other 300 or	
400-level economics courses	
G. Related Areas . . . . .	35
Proficiency in a foreign language at the 201 level is	
required if a foreign language is offered in satisfaction	
of the requirements under part "D" above. If calculus	

is offered in satisfaction of part "D" above, completion of the calculus sequence is required. The remaining hours are to be selected from upper-division courses in history, mathematics, computer science, political science, psychology, or sociology—at least ten hours and not more than fifteen hours in any one area. The proficiency requirement in U. S. History must be satisfied.

H. Electives .....20

TOTAL...191

\*These courses may be exempted by examination with credit awarded.

## BACHELOR OF BUSINESS ADMINISTRATION

(With a major in accounting, economics, finance, information systems, management, or management-marketing).

Quarter Hours

A. Humanities ..... 20

1. English 121, 122, 221, and one course

selected from: .....20

Art 200, 290, 291; Music 200;

Philosophy 201; or English 222

B. Mathematics and Natural Science ..... 25

1. Mathematics 101, 195, 220 .....15

2. Laboratory Science Sequence .....10

C. Social Sciences ..... 30

1. History 114\*, 115\* .....10

2. Economics 201, 202 .....10

3. Political Science 113\* ..... 5

4. Psychology 101 or Sociology 201 ..... 5

D. Courses in Business Administration ..... 15

1. B.A. 211, 212 .....10

2. B.A. 200 or 205, or Computer Science 110 ..... 5

(Computer Science 110 is required for the major in Information Systems. B.A. 200 may not be taken for credit by upper-division business majors who have taken 300-level courses in business or economics.)

E. Physical Education .....	6
<i>Total Freshman-Sophomore Hours .....</i>	<i>96</i>
F. Approved electives .....	30
Electives from the Humanities, the Social Sciences, Natural Sciences, or Mathematics. At least 15 quarter hours must be in courses numbered 200 or above. Not more than 10 quarter hours may be in 300 and 400 level Business Administration courses. Business Administration 205 or Computer Science 110 may be taken but not both.	
G. Business Core Requirements .....	35
B.A. 307, Business Law	
B.A. 320, Business Finance	
B.A. 340, Principles of Marketing	
B.A. 360, Principles of Management	
Economics 311, Quantitative Methods or	
Economics 312, Econometrics	
Economics 327, Money and Banking or Economics 306,	
National Income Analysis	
One of the following:	
B.A. 308 (Accounting majors only)	
Economics 305, Managerial Economics	
Economics 311 or 312 (Information Systems majors are required to have both Economics 311 and Economics 312)	
Economics 331, Labor and Industrial Relations	
Economics 335, Public Finance	
Economics 405, Government and Business	
Economics 431, Investments	
H. Major Concentration .....	30
TOTAL ..191	



## MAJOR CONCENTRATIONS

### 1. ACCOUNTING

B.A. 301, 302-Intermediate Accounting I, II, and four of the following:

- B.A. 329-Cost Accounting I
- B.A. 330-Cost Accounting II
- B.A. 436-Income Taxation I
- B.A. 437-Income Taxation II
- B.A. 440-Information Systems
- B.A. 450-Auditing Principles
- B.A. 455-Advanced Accounting

### 2. ECONOMICS

Econ. 305-Managerial Economics

Econ. 306-National Income Analysis

Econ. 435-Seminar on Contemporary Economic Problems, and the remaining hours selected from the following:

- Econ. 311-Quantitative Methods
- Econ. 312-Econometrics
- Econ. 326-Economic History of the United States
- Econ. 335-Public Finance
- Econ. 345-Economic Development
- Econ. 350-Transportation Economics
- Econ. 405-Government and Business
- Econ. 410-International Trade
- Econ. 420-Comparative Economic Systems
- Econ. 431-Investments
- Econ. 445-Independent Study

### 3. FINANCE

B.A. 580-Corporate Financial Policies or

B.A. 465-Business Policy

B.A. 425-Managerial Accounting or

B.A. 301-Intermediate Accounting I or

B.A. 329-Cost Accounting I

Four of the following:

- B.A. 308-Business Law II
- B.A. 404-Real Estate
- B.A. 407-Principles of Insurance
- B.A. 436-Income Taxation I
- B.A. 437-Income Taxation II
- Econ. 306-National Income Analysis
- Econ. 325-Personal Finance
- Econ. 335-Public Finance
- Econ. 431-Investments

#### 4. INFORMATION SYSTEMS

Computer Science 231, Business Language I

Computer Science 232, Business Language II

Computer Science 301, Computer Organization and Programming

Computer Science 306, Data and Programming Management

Ten additional Computer Science courses having the approval of the Computer Science major advisor.

#### 5. MANAGEMENT

B.A. 425-Managerial Accounting

B.A. 465-Business Policy and four of the following:

B.A. 308-Business Law II

B.A. 315-Business Communications

B.A. 301-Intermediate Accounting I or

B.A. 329-Cost Accounting I

B.A. 344-Principles of Salesmanship

B.A. 348-Advertising

B.A. 375-Personnel Administration

B.A. 411-Marketing Management

B.A. 412-Marketing Research

B.A. 460-Production Planning and Control

B.A. 462-Human Relations in Industry

Economics 305-Managerial Economics

Economics 350-Transportation

Economics 405-Government and Business

Psyc. 320-Industrial Psychology

#### 6. MANAGEMENT-MARKETING

B.A. 411-Marketing Management or

B.A. 412-Marketing Research

B.A. 465-Business Policy, and one or more of the following:

B.A. 344-Principles of Salesmanship

B.A. 348-Advertising

B.A. 411-Marketing Management

B.A. 412-Marketing Research

The remaining hours to be selected from the list under MANAGEMENT above.

#### *Course Offerings*

BUSINESS ADMINISTRATION 200—Survey of Business (5-0-5).  
Fall, Winter, Summer.

A first course in business for Business Administration majors or an elective for non-majors who wish to gain an understanding of the functioning of business enterprises in our capitalistic system. The course will provide a basic familiarity with: (a) the economic, social, and political environment in which business enterprises operate, and (b) the tools and managerial skills used in business decision-making in

the various functional areas such as organization, management, financing, marketing, production and personnel. (Not open to upper-division business majors who have already taken 300-level work).

**BUSINESS ADMINISTRATION 205—Data Processing.** (5-0-5). Spring.

A study of the basic methods, techniques, and systems of manual, mechanical, electrical and electronic data processing systems and an analysis of the application of these systems to business and industry with emphasis on the manager and the role of management. Included in the course of study are the telecommunication terminal systems and the languages necessary to communicate with a computing system.

**BUSINESS ADMINISTRATION 211—Introductory Accounting I.** (5-0-5). Fall, Winter, Spring.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

**BUSINESS ADMINISTRATION 212—Introductory Accounting II.** (5-0-5). Winter, Spring. Prerequisite: Business Administration 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

**BUSINESS ADMINISTRATION 301—Intermediate Accounting I.** (5-0-5). Fall. Prerequisite: Business Administration 212.

Accounting theory and the solution of problems requiring an application of accounting theory.

**BUSINESS ADMINISTRATION 302—Intermediate Accounting II.** (5-0-5). Winter. Prerequisite: Business Administration 301.

A continuation of Business Administration 301, emphasizing the theories of valuation of fixed assets and liability accounts, the application of these, and the interpretation of financial statements prepared on the basis of these theories.

**BUSINESS ADMINISTRATION 307—Business Law I.** (5-0-5). Fall, Winter, Spring.

Law governing the basic principles applicable to the following subjects: Contracts, offer and acceptance, consideration, rights of third parties and discharge; agency, liabilities of principal and agent; negotiability, endorsement and transfer, liabilities of parties.

**BUSINESS ADMINISTRATION 308—Business Law II.** (5-0-5). Winter.

The law applicable to the following subjects: partnership formation, powers and liabilities of partners; corporation, formation,



powers, rights of security holders; sales, vesting of title, warrants, remedies.

**BUSINESS ADMINISTRATION 315—Business Communications.** (5-0-5). Fall, Winter. Prerequisites: English 121, 122.

The development in the student of an awareness of the problems in communicating in modern business; the principles of effective business communication and the application of these principles to the writing of business reports, memorandums, letters, news releases, newsletters, agendas, programs, annual reports, and other business information media, including the instruments of the job-application process.

**BUSINESS ADMINISTRATION 320—Business Finance.** (5-0-5). Fall, Winter. Prerequisite: Business Administration 212.

The internal and external sources of financing for business enterprises; acquisition and management of long-term and shorter-term funds; types of securities; equity and debt instruments; problems of financial management.

**BUSINESS ADMINISTRATION 329—Cost Accounting I.** (5-0-5). Fall. Prerequisite: Business Administration 212.

Methods of determining and distributing costs in manufacturing, including job order and process methods.

**BUSINESS ADMINISTRATION 330—Cost Accounting II.** (5-0-5). Summer. Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems.

**BUSINESS ADMINISTRATION 340—Principles of Marketing.** (5-0-5). Fall, Winter. Prerequisite: Economics 202.

Principles and methods involved in the movement of goods and services from producers to consumers or ultimate users.

**BUSINESS ADMINISTRATION 344—Principles of Salesmanship.** (5-0-5). Fall. Prerequisite: B.A. 340.

A detailed investigation and analysis of the myriad techniques utilized in the selling process.

**BUSINESS ADMINISTRATION 346—Retailing.** (5-0-5). Offered on demand. Prerequisite: B.A. 340.

An examination of the fundamentals necessary to establish and to manage effectively a successful retail concern.

**BUSINESS ADMINISTRATION 348—Advertising.** (5-0-5). Fall. Prerequisite: Business Administration 340.

Consideration of advertising and its relation to the overall marketing function. Includes media planning and selection, creativity and problem areas.

**BUSINESS ADMINISTRATION 360—Principles of Management.** (5-0-5). Fall, Winter. Prerequisite: Upper-division status or permission.

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning,



organizing, directing, and controlling as components of the management process.

**BUSINESS ADMINISTRATION 375—Personnel Administration.** (5-0-5). Fall, Spring. Prerequisite: Upper-division status or permission.

Personnel administration as a staff function. Employment standards, training, safety and health, employee services and industrial relations.

**BUSINESS ADMINISTRATION 404—Real Estate.** (5-0-5). Winter. Prerequisites: Upper-division status or permission.

Principles and practices concerned with the economic, financial, managerial, and marketing aspects of commercial and industrial real estate planning and utilization.

**BUSINESS ADMINISTRATION 407—Principles of Insurance.** (5-0-5). Offered on demand. Prerequisites: Principles of Accounting I and II, Principles of Economics I and II.

Introduction to the basic principles of life, property, liability and other areas of insurance. Consideration is given to the importance of risk in personal and business affairs and the various methods of handling risk.

**BUSINESS ADMINISTRATION 411—Marketing-Management.** (5-0-5). Spring. Prerequisites: Business Administration 340 and 360.

Management of marketing organizations, with emphasis on planning, organizing and controlling the marketing organization; internal and external communications; marketing management decision-making.

**BUSINESS ADMINISTRATION 412—Marketing Research.** (5-0-5). Winter. Prerequisites: Business Administration 340, Math 220.

Sampling, survey, experimental and other research techniques for determining customer preferences and market potentials. Interpretation and presentation of research findings for management decision-making.

**BUSINESS ADMINISTRATION 425—Managerial Accounting.** (5-0-5). Prerequisite: Business Administration 212.

Emphasizes theory and practice of accounting from the standpoint of those who direct business operations and shape business policy.

**BUSINESS ADMINISTRATION 436—Income Taxation I.** (5-0-5). Winter. Prerequisite: Business Administration 212.

A study of federal income tax law and regulations; the income tax returns of individuals, partnerships, and corporations.

**BUSINESS ADMINISTRATION 437—Income Taxation II.** (5-0-5). Spring or Summer. Prerequisite: Business Administration 436 or consent of instructor.

A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns, gift taxes, and estate taxes.

**BUSINESS ADMINISTRATION 450—Auditing Principles.** (5-0-5). Spring. Prerequisite: Business Administration 302.

The principles of audits and financial verifications, standards of field work, preparation of audit working papers, writing audit reports, auditing ethics.

**BUSINESS ADMINISTRATION 455—Advanced Accounting.** (5-0-5). Summer. Prerequisites: Business Administration 301 and 302.

Selected problems in accounting. Analysis and evaluation of methods used for organizing and solving special accounting problems.

**BUSINESS ADMINISTRATION 460—Production Planning and Control.** (5-0-5). Prerequisites: Business Administration 360, Mathematics 220.

The principles of production management are developed through study of plant layout, inventory control, materials handling, production scheduling, quality control, and associated topics.

**BUSINESS ADMINISTRATION 462—Human Relations in Industry.** (5-0-5). Winter. Prerequisites: Business Administration 360. Business Administration 375 and Psychology 101 are desirable.

A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively, and with economic, psychological, and social satisfaction.

**BUSINESS ADMINISTRATION 465—Business Policy.** (5-0-5). Winter, Spring. Prerequisites: Business Administration 320, 340, 360, Mathematics 220, and senior status.

Problem solving and decision making by top management. An integrating course, taught by the case method. Should be taken in the student's final quarter, if possible.

## BUSINESS EDUCATION

**BUSINESS EDUCATION 104—Beginning Typewriting.** (5-0-2). Fall.

Development of basic skill; introduction to typewritten letters, tabulations, and manuscripts (includes term papers and book reports). *Students who have earned high school credit in one-year course in typewriting (or the college equivalent—one quarter or one semester) may not take this course for credit. These students should begin the typewriting sequence with Intermediate Typewriting, Business Education 105.*

BUSINESS EDUCATION 105—Intermediate Typewriting. (0-5-2). Fall, Winter. Prerequisite: Business Education 104 or equivalent.

Improvement of basic skill; tabulations, business forms, letters, memorandums, and manuscripts; emphasis on production rate.

BUSINESS EDUCATION 106—Advanced Typewriting. (0-5-2). Winter, Spring. Prerequisite: Business Education 105 or equivalent.

Major emphasis on production rate; tabulations, letters, and manuscripts; varied business forms and other information media.

BUSINESS EDUCATION 111—Beginning Gregg Shorthand. (5-0-3). Fall. Prerequisite or corequisite: Business Education 104 or equivalent.

Complete theory; reading, dictation and transcription from studied material to 60 words a minute. *Students who have earned high school credit in a one-year course in Gregg Shorthand (or the college equivalent—one quarter or one semester) may not take this course for credit. These students should begin the shorthand sequence with Intermediate Gregg Shorthand, Business Education 112.*

BUSINESS EDUCATION 112—Intermediate Gregg Shorthand. (5-0-3). Winter. Prerequisite: Business Education 111 or equivalent and Business Education 104 or equivalent.

Improvement of basic skill; mailable copy; reading; dictation and transcription from studied and new material to 90 words a minute.

BUSINESS EDUCATION 113—Advanced Gregg Shorthand. (5-0-3). Spring. Prerequisite: Business Education 112 or equivalent and Business Education 104 or equivalent.

Improvement of basic skill; reading; mailable copy; dictation and transcription from studied and new material to 120 words a minute.

BUSINESS EDUCATION 212—Office Machines. (3-2-3). Spring.

Development of skill in the use of adding-listing machines, calculating machines, dictating-transcribing machines, reproducing machines, and the proportional-space typewriter; course syllabus adapted to individual student's needs.

BUSINESS EDUCATION 213—Office Procedures. (5-0-5). Spring. Prerequisites: Business Education 105 and Business Education 112 or their equivalent.

Development of an understanding of administrative services common to modern business; work flow; interpersonal relationships; records maintenance and management.



## ECONOMICS

**ECONOMICS 201—Principles of Economics I.** (5-0-5). Fall, Winter, Spring. Prerequisite: At minimum, eligibility to enter Mathematics 101.

A study of the principles underlying the economic institutions of the present time and their application to economic problems. Aggregative or macroeconomics is emphasized.

**ECONOMICS 202—Principles of Economics II.** (5-0-5). Winter, Spring, Summer. Prerequisite: At minimum, eligibility to enter Mathematics 101.

Microeconomics, with emphasis on the theory of prices and factor shares. If a student plans to take only one economics course, Economics 201 would be more suitable than Economics 202.

**ECONOMICS 305—Managerial Economics.** (5-0-5). Spring. Prerequisites: Economics 201, 202.

Microeconomic applications to decision-making and policy formulation in the business firm. Production costs, pricing, and market structures.

**ECONOMICS 306—National Income Analysis.** (5-0-5). Winter. Prerequisites: Economics 201, 202.

Income and employment analysis; money and interest; monetary and fiscal policy; inflation and unemployment.

**ECONOMICS 311—Quantitative Methods.** (5-0-5). Fall or Spring. Prerequisites: Economics 202, Mathematics 195, 220.

Applications and limitations of mathematical techniques to business and economic problems. Decision making under uncertainty. Inventory control. Linear, integer, and dynamic programming.

**ECONOMICS 312—Econometrics.** (5-0-5). Fall or Spring. Prerequisites: Economics 202, Mathematics 195, 220.

Applications and limitations of statistical techniques to business and economic problems. Limitations of ordinary least squares. Data problems. Index numbers. Sampling techniques.

**ECONOMICS 325—Personal Finance.** (5-0-5). Prerequisite: Math 101.

This course is devoted to family financial matters such as budgeting expenditures, taxes, loans, charge accounts, savings media, life insurance, investment securities, mutual funds, estate planning, trusts, wills, estate and gift taxes.

**ECONOMICS 326—Economic History of the United States.** (5-0-5). Offered on demand.

The growth and development of economic institutions in the United States from the colonial period to the present, with emphasis



on the period since 1860, and including developments in agriculture, industry, labor, transportation, and finance.

**ECONOMICS 327—Money and Banking.** (5-0-5). Fall, Spring. Prerequisites: Economics 201, 202.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic efforts.

**ECONOMICS 331—Labor and Industrial Relations** (5-0-5). Winter, Summer. Prerequisite: Economics 201.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

**ECONOMICS 335—Public Finance.** (5-0-5). Spring, Summer. Prerequisite: Economics 201.

The economic effects of governmental taxation, expenditures, and public debt management. The principal sources of revenue and types of expenditures at the federal, state, and local levels. The proper scope of government and issues of fairness in taxation.

**ECONOMICS 345—Economic Development.** (5-0-5). Alternate Falls. Prerequisites: Economics 201, 202.

The nature and cause of economic stagnation in developing nations of the world, urgent need for their economic development, theory of economic growth, ways of fostering development, and balanced growth and industrialization.

**ECONOMICS 350—Transportation Economics.** (5-0-5). Winter. Prerequisite: Upper-division status or permission.

The economic aspects of transportation; significant developments in the fields of highway transport, water transport, and air transport, and in regulatory policy concerning the transportation industry.

**ECONOMICS 405—Government and Business.** (5-0-5). Fall. Prerequisite: upper-division status.

The effects of public policies upon business and industry with emphasis on anti-trust, taxation, regulatory and defense policies.

**ECONOMICS 410—International Trade.** (5-0-5). Offered on demand. Prerequisites: Economics 201, 202, and Economics 327 or consent of instructor.

Export-import trade, emphasizing exchange techniques, balance of trade and payments accounts, and the theory of international specialization and exchange, the relationship of international transactions to national income.

**ECONOMICS 420—Comparative Economic Systems.** (5-0-5). Alternate Springs. Prerequisites: Economics 201, 202.

Study of economic problems under different economic systems such as capitalism, socialism; and introduction to Marxian economic theory.

ECONOMICS 431—Investments. (5-0-5). Offered on demand.

The investment risks in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

ECONOMICS 435—Seminar on Contemporary Economic Problems. (5-0-5). Alternate Springs. Prerequisites: Economics 201 and 202, and two 300-level economics courses.

General problems of production, employment, and income, with special reference to the specific problems faced by the American economic system.

ECONOMICS 445—Independent Study. (5-0-5). Offered on demand.

Mature students of economics may be permitted to undertake special independent studies in one or more aspects of economics, under the supervision and guidance of a member of the faculty. Normally, the subject matter covered will parallel a bulletin-described course which is only infrequently offered. The student will meet frequently with his advisor and will be expected to submit reports in depth on his studies. Approval of the Advisor and the Department Head will be necessary for admittance to this course.

## BUSINESS EDUCATION

(See listing under Department of Business Administration.)

## DEPARTMENT OF CHEMISTRY AND PHYSICS

Professor Henry E. Harris, Head; Professor Stratton; Associate Professors Brewer and Robbins; Assistant Professor Whiten; Teaching Associate Goette.

### Departmental Requirements for the Major in Chemistry

Unless exempted by examination, each student must complete a course in United States history.

### *Quarter Hours*

#### I. Major Requirements

##### A. Lower Division:

General Chemistry (128, 129, 281) .....15

B. Upper Division:	
Chemistry 380 .....	5
Chemistry 341, 342, 343 .....	15
Chemistry 491, 492, 495, 496 .....	12
Electives from the following: .....	13
Chemistry 421 .....	4
Chemistry 441 .....	3
Chemistry 448 .....	5
Chemistry 461 .....	5
Chemistry 480 .....	5

II. Requirements in Related Fields	
A. Mathematics through Calculus .....	10
B. Physics .....	15

### Course Offerings

#### CHEMISTRY

CHEMISTRY 121-122—General Chemistry. (4-3-5 for each course). Prerequisite: Entrance Requirements. Offered on demand.

These courses are designed for the student who is pursuing a non-science college major. They include a study of the fundamental laws and theories of inorganic chemistry. Included in the second quarter is a survey of organic chemistry and an introduction to biochemistry. These courses are a lecture-laboratory study with minimum reliance on mathematics.

CHEMISTRY 128-129—General Chemistry. (4-3-5 for each course). Prerequisite: College Algebra or equivalent. Offered each quarter.

These courses are the first two of the series 128, 129, 281 required to complete an academic year of General Chemistry. A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. These courses are designed for the science, pre-medical and engineering student. The laboratory work includes an understanding of fundamental techniques.

CHEMISTRY 205-206—Essentials of General Chemistry. (3-0-3 for each course). Fall, Winter.

An introduction to inorganic, organic, and biochemistry with emphasis on applications in human physiology. Experimental principles will be illustrated with classroom demonstrations.

CHEMISTRY 281—Qualitative Analysis (3-6-5). Fall and Spring. Prerequisite: Chemistry 129.

This course is the third of the series 128, 129, 281 required to complete an academic year of General Chemistry. Study of ionic



equilibria and separation methods. Homogeneous solutions involving dissociation, hydrolysis and buffer action, and heterogeneous systems showing the influence of pH and complexation on solubility are illustrated. Various chemical and chromatographic techniques are used as a basis for qualitative analysis.

CHEMISTRY 301—The Chemistry of Life (5-0-5). Offered on demand. Prerequisite: Ten quarter hours of a laboratory science completed.

An introductory course covering selected areas of applied biochemistry. This course is not recommended for chemistry, biology, or premedical students.

CHEMISTRY 341-342—Organic Chemistry. (4-3-5 for each course). Prerequisite: Chemistry 129. Fall, Winter.

These courses include the study of aliphatics, aromatic hydrocarbons and their derivatives, polyfunctional compounds, and polynuclear hydrocarbons. Organic reactions are emphasized in terms of modern theory.

CHEMISTRY 343—Organic Chemistry. (4-3-5). Prerequisite: Chemistry 342. Spring.

A continuation of the organic chemistry sequence 341, 342. This course completes the fundamental study of organic chemistry with a consideration of carbohydrates, amino acids, and heterocyclics with their related compounds.

CHEMISTRY 350—Chemical Literature. (2-0-2). Prerequisite: Chemistry 342. Offered on demand.

A study of the use of the chemical library and the important journals, references, and information sources.

CHEMISTRY 380—Quantitative Instrumental Analysis. (2-9-5). Prerequisite: Chemistry 281. Winter.

A study of the principles of gravimetric, volumetric, spectrophotometric, and electrometric methods of analysis. The laboratory will provide practice in techniques and application of these principles.

CHEMISTRY 421—Advanced Inorganic Chemistry. (3-3-4). Prerequisite: Chemistry 380. Offered on demand.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHEMISTRY 431-432—Seminar. (3-0-3 for each course). Prerequisite: Chemistry 343. Offered on demand.

Selected topics for group discussion.

CHEMISTRY 441—Advanced Organic Chemistry. (3-0-3). Prerequisite: Chemistry 343. Fall.



A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

CHEMISTRY 448—Organic Qualitative Analysis. (2-6-4). Prerequisite: Chemistry 343. Offered on demand.

Systematic approach to the identification of organic compounds.

CHEMISTRY 461—Biochemistry. (4-3-5). Prerequisite: Chemistry 343. Offered on demand.

A study of the chemical nature of cellular constituents and cellular metabolism. Subject topics include carbohydrates, proteins, lipids, enzymes, vitamins and coenzymes, anaerobic carbohydrate metabolism, lipid metabolism, the tricarboxylic acid cycle, oxidative phosphorylation, and photosynthesis.

CHEMISTRY 462—Biochemistry. (4-3-5). Prerequisite: Chemistry 461. Offered on demand.

A study of the metabolism of ammonia and nitrogen-containing compounds, the biosynthesis of nucleic acids and proteins, metabolic regulation, and selected topics.

CHEMISTRY 463—Clinical Chemistry. (4-3-5). Prerequisite: Chemistry 343. Offered on demand.

A study of the principles of chemistry applied in the clinical laboratory. Topic subjects to include instrumentation and micro-techniques.

CHEMISTRY 480—Advanced Instrumental Analysis. (2-9-5). Prerequisites: Chemistry 380, 342. Offered on demand.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

CHEMISTRY 491-492—Physical Chemistry. (5-0-5 for each course). Prerequisites: Chemistry 380; Physics 213; Mathematics 201. Winter, Spring.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. These courses will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHEMISTRY 495-496—Physical Chemistry Laboratory. (0-3-1 for each course). Corequisite: Chemistry 491, 492 respectively.

Selected experiments to demonstrate applications of physical chemistry.

CHEMISTRY 498-499—Special Problems. (Schedule and credit vary). Prerequisite: Consent of Department Head.

Problems to be assigned and work directed by a member of the Department. Supervised research including literature search, laboratory experimentation and presentation of results. Course credit will depend on problem.

## PHYSICAL SCIENCE

PHYSICAL SCIENCE 121—Physical Environment. (4-3-5). Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and concepts of physics and astronomy. This course is designed for non-science majors interested in a descriptive survey. The laboratory study is designed to supplement the study of theory.

PHYSICAL SCIENCE 122—Physical Environment. (4-3-5). Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and theories of chemistry. This is a descriptive course which includes the classification of elements, basic chemical reactions, and atomic structure designed for the non-science major. The laboratory study includes experiences which augment class discussion.

ASTRONOMY 301—Introduction to Astronomy. (5-0-5). Offered on demand. Prerequisite: Ten quarter hours of laboratory science completed.

A study of the planetary system, stars, stellar structure, and cosmology.

GEOLOGY 301—Principles of Geology. (5-0-5). Offered on demand. Prerequisite: Ten quarter hours of a laboratory science completed.

An introduction to physical and historical geology. A study of the origin, evolution, and structure of the earth's crust, and geologic history.

OCEANOGRAPHY 301—Principles of Oceanography. (5-0-5). Offered on demand. Prerequisite: Ten quarter hours of a laboratory science completed.

A study of the basic principles of oceanography. Topic subjects to include the distribution of water over the earth, nature and relief of the ocean floors, tides and currents, chemical properties of sea water and constituents, and applications of oceanographic research.

## PHYSICS

PHYSICS 211—Mechanics. (4-2-5). Prerequisite: Mathematics 103. Fall.

The first part of the sequence Physics 211-212-213 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for students with aptitude in mathematics below the level of calculus. Selected experiments to demonstrate applications.

PHYSICS 212—Electricity, Magnetism, Basic Light. (4-2-5). Prerequisites: Mathematics 103 and Physics 211. Winter.

The second part of the sequence Physics 211-212-213. Basic electricity, magnetism, and geometrical optics.

PHYSICS 213—Light Phenomena, Modern Physics. (4-2-5). Prerequisites: Mathematics 103 and Physics 212. Spring.

The last part of the sequence Physics 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 217—Mechanics. (5-3-6). Prerequisite: Mathematics 104, or concurrently. Fall, Summer.

The first part of the sequence Physics 217-218-219 in general physics. Basic classical physics, including mechanics, sound and heat. Designed especially for engineering students and recommended for science majors. Selected experiments to demonstrate applications.

PHYSICS 218—Electricity, Magnetism, Basic Light. (5-3-6). Prerequisites: Mathematics 104 and Physics 217. Winter.

The second part of the sequence Physics 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHYSICS 219—Light Phenomena, Modern Physics, (5-3-6). Prerequisites: Mathematics 104 and Physics 218. Spring.

The last part of the sequence Physics 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 380—Introductory Quantum Mechanics. (5-0-5). Prerequisite: Physics 213 or Physics 219 and Mathematics 201.

An introduction to Quantum mechanical principles with applications in atomic and molecular structure.

PHYSICS 417—Mechanics. (5-0-5). Prerequisite: Physics 217 or 211 and Mathematics 201. Physics 218 or 212 and Mathematics 341 are recommended.

Statics, kinematics, and dynamics of particles and of systems of particles are developed using Newtonian principles.

## COMPARATIVE LITERATURE

(See listing under Department of Languages and Literature.)

## COMPUTER SCIENCE

(See listing under Department of Mathematics.)

## DEPARTMENT OF CRIMINAL JUSTICE

Associate Professor James W. Witt, Head; Assistant Professor Megathlin, Acting Head; Assistant Professor Magnus.



Two programs of study are available to the student who wishes to study in the criminal justice area—a two-year program leading to the degree of Associate in Science in Criminal Justice with a concentration in corrections or in law enforcement and a four-year program leading to the degree of Bachelor of Science in Criminal Justice. Each student should work closely with the Head of the Department in planning his program for either of the two degrees.

Associate in Science in Criminal Justice  
With a Concentration in Law Enforcement

	<i>Quarter Hours</i>
A. General Requirements .....	56
1. English 121-122 .....	10
2. Art 200, 290, 291, Music 200, or Philosophy 201 ....	5
3. Mathematics 101 .....	5
4. Laboratory Science Sequence .....	10
5. History 251* or 252* and Political Science 113*.....	10
6. Psychology 101 and Sociology 201 .....	10
7. Physical Education .....	6
B. Area of Concentration .....	40
Criminal Justice 100, 103, 104, 201, 202, 205, 250 or 203, 301	
TOTAL ...	96

Associate in Science in Criminal Justice  
With a Concentration in Corrections

	<i>Quarter Hours</i>
A. General Requirements .....	56
1. English 121-122 .....	10
2. Art 200, 290, 291, Music 200, or Philosophy 201 ....	5
3. Mathematics 101 .....	5
4. Laboratory Science Sequence .....	10
5. History 251* or 252* and Political Science 113*.....	10
6. Psychology 101 and Sociology 201 .....	10
7. Physical Education .....	6
B. Area of Concentration .....	40
Criminal Justice 100, 102, 103, 205, 250 or 307, 301, 304, 306	
TOTAL ...	96

At least 45 hours of the program must be completed at Armstrong.



## Bachelor of Science in Criminal Justice

Students who intend to major in Criminal Justice should complete Criminal Justice 100 before the end of the freshman year and should complete all general education requirements as soon as possible. Criminal Justice majors must complete the required Criminal Justice courses with a grade of "C" or better.

	<i>Quarter Hours</i>
A. General Requirements .....	66
1. English 121, 122, 221 .....	15
2. Art 200, 290, 291, Music 200, Philosophy 201 or English 222 .....	5
3. Mathematics 101 and either 195 or 220 or C. S. 110 .....	10
4. Laboratory Science Sequence .....	10
5. Political Science 113* and History 114* and 115* .....	15
6. Psychology 101, Sociology 201, Economics 201, or Anthropology 201 .....	5
7. Physical Education .....	6
B. Courses Appropriate to Area of Concentration .....	30
1. Psychology 101 or Sociology 201 .....	5
2. History 251* or 252* .....	5
3. Criminal Justice 100, 103, 201, 205 .....	20
C. Area of Concentration .....	30
Criminal Justice 300, 301, 303, 305, 403, 490	
D. Electives from Related Areas .....	65
Sixty-five hours chosen from a list of selected electives. No more than fifteen hours may be taken from any one department except Criminal Justice. Seven of these courses must be 300-400 level courses.	
<b>TOTAL</b>	<b>191</b>

\*A student in either the associate or the baccalaureate degree program may exempt these courses with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

### *Course Offerings*

**CRIMINAL JUSTICE 100**—Introduction to Criminal Justice Systems. (5-0-5). Fall.

This course deals with a systematic study of the agencies involved in the process of criminal justice. Required of all criminal justice majors.

CRIMINAL JUSTICE 102—Introduction to Corrections. (5-0-5). Offered on demand.

This course deals in the following areas: Correctional goals and organization, inmates (characteristics, behavior, classification, etc.), security and interpersonal relations. Although this course is designed primarily for those practitioners who are currently working in correctional institutions, it is open to all criminal justice majors.

CRIMINAL JUSTICE 103—Developing Interpersonal Communication Skills. (5-0-5). Offered on demand.

The emphasis of this course will be placed upon the development of interpersonal communication skills, i.e., skills that can be effectively utilized on the job to improve interaction among employees and between employees and the public.

CRIMINAL JUSTICE 104—Basic Law Enforcement. (5-0-5). Offered on demand.

This course will include a study of the police system in the United States, an overview of the basic purposes and objectives of the average police department, and an introduction to police ethics and professionalization.

CRIMINAL JUSTICE 201—Criminal Procedure. (5-0-5). Winter.

A survey of the distinctive features of, and the basis for, American Criminal Law buttressed by an analysis of leading court decisions relative to procedural rights emanating from the Bill of Rights.

CRIMINAL JUSTICE 202—Law of Evidence. (5-0-5). Fall.

An intensive analysis of the rules of evidence in criminal cases. Particular subjects will include burden of proof, hearsay evidence, and the principles of exclusion and selection.

CRIMINAL JUSTICE 203—Criminal Law. (5-0-5). Winter.

History and development of criminal law with definitions and general penalties. Special emphasis will be placed upon the Georgia Penal Code.

CRIMINAL JUSTICE 204—Criminal Investigation. (5-0-5). Spring.

Introduction to investigative methodology. Special techniques employed in criminal investigation, such as crime scene searches, the use of informants, and the techniques of surveillance will be emphasized, as well as the presentation of police cases in court.

CRIMINAL JUSTICE 205—Criminal Behavior Systems. (5-0-5). Fall.

The course is designed to study the different criminal behavior systems. The course will include (1) a discussion of the construction of types of crime, (2) the formulation and utilization of a typology of crime based on criminal behavior systems, and (3) the presentation of some of the most important research on types of crime.

CRIMINAL JUSTICE 250—Directed Readings in Criminal Justice. (5-0-5). Offered on demand.

A course designed to permit each student to pursue an approved topic through independent study and research under the guidance and direction of the instructor. This course is designed to familiarize students who do not intend to pursue a four-year degree program with the fundamentals of practical research.

CRIMINAL JUSTICE 300—Research Methods in Criminal Justice. (5-0-5). Winter. (Students who have previously earned credit for this course when it was numbered C. J. 200 may not receive additional credit for this course.)

This course deals with the methods and techniques of research in the behavioral sciences. Emphasis will be placed on learning how to evaluate research.

CRIMINAL JUSTICE 301—Juvenile Delinquency. (5-0-5). Fall. Prerequisite: Criminal Justice 100 or consent of instructor.

A survey of theories of juvenile delinquency, the sociological, biological, and psychological factors involved in juvenile delinquency and the modern trends in prevention and treatment.

CRIMINAL JUSTICE 302—Criminalistics. (5-0-5). Summer. Prerequisite: a natural science laboratory sequence.

An introduction to the problems and techniques of scientific criminal investigation. Emphasis will be placed on familiarizing the student with the role of science and technology in modern law enforcement.

CRIMINAL JUSTICE 303—Penology. (5-0-5). Winter. Prerequisite: Criminal Justice 100 or consent of instructor.

This course deals with the analysis and evaluation of both historical and contemporary correctional systems. This course will also deal with the development, organization, operation and results of the different systems of corrections found in America.

CRIMINAL JUSTICE 304—Probation and Parole. (5-0-5). Offered on demand. Prerequisite: Criminal Justice 303.

This course will deal with the development, organization, operation and results of systems of probation and parole as substitutes for incarceration.

CRIMINAL JUSTICE 305—Law Enforcement Systems. (5-0-5). Fall. Prerequisite: Criminal Justice 100.

An introduction to the philosophical, cultural and historical background of the police idea. This course is conceptually oriented and will deal with concepts such as the role of the police in contemporary society, the quasi-military organization of the police, and community relations.



**CRIMINAL JUSTICE 306—Correctional Counseling.** (5-0-5). Winter. Prerequisite: Criminal Justice 303.

This course deals with the nature and function of counseling in a correctional setting. The different theoretical approaches and techniques of counseling as they can be applied in a correctional setting will be investigated.

**CRIMINAL JUSTICE 307—Community Base Treatment.** (5-0-5). Spring. Prerequisite: Criminal Justice 303.

This course will investigate the different community base treatment programs. An emphasis will be placed on investigating the function of half-way houses and the use of volunteers in corrections.

**CRIMINAL JUSTICE 308—Criminal Justice Planning.** (5-0-5). Spring. Prerequisite: Junior Standing.

Origins and evolution of modern day planning. Planning as a process of criminal justice decision-making.

**CRIMINAL JUSTICE 402—Civil Liberties.** (5-0-5). Spring. Prerequisite: Criminal Justice 201 or Political Science 317.

Problems will be drawn from the substantive and procedural aspects of constitutional law and explored in the context of the current friction between the values of order and individual liberty.

**CRIMINAL JUSTICE 403—Judicial Process.** (5-0-5). Winter. Prerequisite: Criminal Justice 201 or Political Science 317.

Courts as political subsystems in comparative perspective. Judicial decision-making and the development of public policy through the judicial process.

**CRIMINAL JUSTICE 404—Correctional Treatment.** (5-0-5). Spring. Prerequisites: Criminal Justice 303, 306.

This course involves an evaluation of specific programs and experiments in institutional treatment. An emphasis will be placed on the institutional adjustment, the preparation for institutional release and post-release facilities.

**CRIMINAL JUSTICE 405—Group Methods in Corrections.** (5-0-5). Spring. Prerequisite: Criminal Justice 306.

This course will investigate the group dynamics and the group processes as they can be applied to a correctional setting.

**CRIMINAL JUSTICE 406—Law and Society.** (5-0-5). Spring. Prerequisite: Criminal Justice 403 or the consent of the instructor.

The study of the theory and philosophy of law and the relationship between law and society. Current controversies such as civil disobedience and law and personal morality will receive special attention.

**CRIMINAL JUSTICE 407—Legal Aspects of Corrections.** (5-0-5). Offered on demand. Prerequisites: Criminal Justice 201, 303.



The course deals with the legal problems from convictions to release. Legal problems will be investigated in the following areas: pre-sentence investigation, sentencing, probation, parole, incarceration, and loss and restoration of civil liberties.

**CRIMINAL JUSTICE 408—Human Relations.** (5-0-5). Offered on demand. Prerequisite: Sociology 201.

This course will deal in the area of human relations as a means of controlling and changing people. Emphasis will be placed on effective listening and effective communication.

**CRIMINAL JUSTICE 440—Seminar in Criminal Justice.** (5-0-5). Spring. Prerequisite: Open to seniors only or by consent of the instructor.

An intensive study of selected topics relative to the concept of criminal justice. Subject matter will vary annually.

**CRIMINAL JUSTICE 450—Field Experience I.** (5-0-5). Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

The purpose of this course is to broaden the educational experience of students through appropriate observation and work assignments with criminal justice agencies. This course will be organized around specific problem orientations with operational research connotations. Students will be expected to spend a minimum of five hours per week with the participating agency.

**CRIMINAL JUSTICE 451—Field Experience II.** (5-0-5). Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

This is a sequential course to Criminal Justice 450 which will permit the student to further broaden his perspectives.

**CRIMINAL JUSTICE 452—Internship.** (Maximum 15 Hours Credit.) Offered on demand. Prerequisite: Open only to senior criminal justice majors.

This course is designed to provide the student with an opportunity to apply academic training in the practical criminal justice setting. Settings will include law enforcement agencies (state or federal), community treatment facilities, and the courts. This course will be jointly supervised by college staff and law enforcement, correctional and court officials.

**CRIMINAL JUSTICE 490—Directed Research in Criminal Justice.** (5-0-5). Offered on demand. Prerequisite: Open only by invitation of the instructor.

A course designed to provide qualified students the opportunity to perform suitable and meaningful research into some area of criminal justice under the direction of the instructor.

## DEPARTMENT OF DENTAL HYGIENE

Assistant Professor Richard M. Steinke, Head; Instructors Coursey and Tanenbaum.

### Associate in Science in Dental Hygiene

The curriculum in dental hygiene at Armstrong State College was established in the fall of 1968 and approved by the Council on Dental Education in May, 1973.

The purpose of the program is to meet the ever-increasing need for individuals educated in this rapidly growing and important health profession. Dental hygienists are in demand to provide dental health services in private dental offices, civil service positions, school programs, and various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure.

Admission to this two-year program is limited to 30 in each class. Students enroll in the fall of each year. Application for admission should be completed by April 15 for the fall quarter, including a transcript of course work up to that date. A complete transcript shall be submitted as soon as possible thereafter. A student who transfers into the program courses equivalent to Chemistry 205, 206 and/or Zoology 208, 209 will be required to complete successfully validation examinations in the subject matter areas of these courses.

A passing grade in all natural science courses must be maintained for the student to be allowed to continue in the Dental Hygiene courses during the freshman year. The student must earn a "C" or better in each Dental Hygiene course before he or she will be allowed to register for subsequent Dental Hygiene courses; therefore, the grade of "C" or better in the previous course(s) is prerequisite for each Dental Hygiene course for which the student registers after the first quarter of the freshman year. An overall GPA of 2.0 is required for graduation from the program.

## GENERAL EDUCATION

	<i>Qtr. Hrs.</i>
Chemistry 205 and 206 . . . .	6
Zoology 208 and 209 . . . .	10
English 121 . . . . .	5
Psychology 101 . . . . .	5
Sociology 201 . . . . .	5
Biology 210 . . . . .	5
P. E. Elective . . . . .	1
Speech 228 . . . . .	2
P. E. 211** . . . . .	2
History 251 or 252* . . . .	5
Political Science 113* . . . .	5
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## DENTAL HYGIENE EDUCATION

	<i>Qtr. Hrs.</i>
Dental Hygiene 111	
and 112 . . . . .	3-3
Dental Hygiene 113 . . . . .	3
Dental Hygiene 114	
and 115 . . . . .	2-2
Dental Hygiene 116 . . . . .	2
Dental Hygiene 117 . . . . .	3
Dental Hygiene 118 . . . . .	2
Dental Hygiene 119 . . . . .	3
Dental Hygiene 120 . . . . .	3
Dental Hygiene 121 . . . . .	2
Dental Hygiene 211,	
212, 213 . . . . .	5-5-5
Dental Hygiene 214 . . . . .	3
Dental Hygiene 215 . . . . .	2
Dental Hygiene 216 . . . . .	1
Dental Hygiene 217 . . . . .	3
Dental Hygiene 218 . . . . .	2
Dental Hygiene 219 . . . . .	2
Dental Hygiene 220 . . . . .	4
Dental Hygiene 221 . . . . .	1
	<hr/> 61

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

\*\*Required by Council on Dental Education, American Dental Association.

### *Course Offerings — Freshman and Sophomore*

DENTAL HYGIENE 111—Clinical Dental Hygiene I. (2-3-3). Fall Quarter.

This course is designed to introduce the student to the dental hygiene profession. The subject matter includes fundamental knowledge of clinical procedures and techniques of removing stains and deposits from the teeth. Clinical procedures are introduced first on manikins and then applied in the mouth.

DENTAL HYGIENE 112-113—Clinical Dental Hygiene II and III. (1-6-3) (1-6-3). Winter and Spring Quarters respectively. Prerequisites: Dental Hygiene 111.

Students continue with oral prophylactic techniques on patients in the clinic under supervision. The subject matter includes advanced procedures which the hygienist will use in the performance of duties. The student must apply acquired knowledge in all clinical situations.



DENTAL HYGIENE 114-115-116—Dental Anatomy and Physiology. (1-3-2) (1-3-2) (1-3-2). Fall, Winter and Spring Quarters respectively.

This sequential course includes nomenclature, tooth morphology, oral histology and embryology, head and neck anatomy, medical and dental emergencies, and growth and development. The course material will be presented by lecture, demonstration and directed experience.

DENTAL HYGIENE 117—General and Oral Pathology (3-0-3). Spring Quarter.

This course is designed to familiarize dental hygiene students with the principles of general pathology in relation to the common diseases of oral regions. Emphasis will be placed on clinical manifestations and the importance of early recognition of abnormal conditions.

DENTAL HYGIENE 118—Periodontics. (2-0-2). Summer Quarter.

This course is designed to give the student a basic understanding of periodontics. Emphasis will be placed on the significance of patient education and dental prophylaxis in the prevention of periodontal disease.

DENTAL HYGIENE 119—Dental Materials. (2-3-3). Summer Quarter.

This course is designed to provide a general understanding of the chemical, physical and mechanical properties of dental materials. The indications and limitations of materials will be stressed as well as proper manipulation of those materials used by dental hygienists.

DENTAL HYGIENE 120—Dental Roentgenology. (2-3-3). Summer Quarter.

This course will include a series of lectures, demonstrations, and directed experience in the fundamentals of dental roentgenology. Intra-oral techniques for the taking and processing of radiographs are taught and laboratory time will be devoted to demonstration and directed experience. Clinical time in subsequent quarters will afford the application of the principles to clinical situations.

DENTAL HYGIENE 121—Applied Nutrition. (2-0-2). Spring Quarter.

This course presents the biochemical aspects of nutrition as applied to the practice of dentistry. Students are instructed in diet, history taking, and dietetic counseling.

DENTAL HYGIENE 211-212-213—Clinical Dental Hygiene IV, V, and VI. (1-12-5) (1-12-5) (1-12-5). Fall, Winter and Spring Quarters respectively. Prerequisites: Dental Hygiene 111, 112, 113.

These courses are a continuation of the preceding clinical courses. Emphasis centers on improved proficiency in all areas of a working



clinic. Lecture time is devoted mainly to the discussion of experiences encountered in clinical situations. Pertinent material related to the dental hygiene profession is included in these courses.

**DENTAL HYGIENE 214—Anesthesiology and Pharmacology.** (3-0-3). Fall.

This course is a study of drugs and anesthetics with special consideration given to those used in dentistry. It is designed to acquaint the student with the principles of drug action in the human patient.

**DENTAL HYGIENE 215—Preventive Dentistry.** (2-0-2). Fall.

The principles of prevention of oral diseases are presented. Emphasis is placed on training the student in the utilization of oral physiotherapy aids and on education and motivation of patients in proper oral hygiene. Clinical time in subsequent quarters will afford the application of these principles to clinical situations.

**DENTAL HYGIENE 216—Fundamentals of Dental Hygiene.** (1-0-1). Fall.

This course is designed as a seminar to acquaint students with the ethical responsibilities of the dental hygienist, the jurisprudence governing the practice of dental hygiene, and the structure and function of the American Dental Association, the Georgia Dental Association, and the American Dental Hygienists Association.

**DENTAL HYGIENE 217—Dental Health Education and Public Health.** (3-0-3). Winter.

This course includes demonstrations and practical applications of modern methods of dental health education. Developing teaching materials for dental health education and the presentation of materials are included.

This course also introduces the student to the various aspects of public health with reference to the needs of the community. Information concerning opportunities for participation in public health dentistry by the dental hygienist is included.

**DENTAL HYGIENE 218—Dental Assisting.** (2-0-2). Winter.

This course is designed to acquaint the student with the contributions to the provision of dental services by dental auxiliary personnel. The principles of assistant utilization are presented and application of these principles is made during clinical experience.

**DENTAL HYGIENE 219—Total Patient Care.** (2-0-2). Winter.

This course is a series of lectures designed to acquaint the student with the subject matter and practice of the various dental specialties in relation to the patient's total health. Emphasis is placed on periodontics, its treatment and the role of the dental hygienist in maintenance of oral health.

DENTAL HYGIENE 220—Directed Field Experience. (0-12-4). Spring. Prerequisites: Speech 228, Dental Hygiene 215, 216, 217, 218, 219.

Students will receive directed field experience in public health dentistry and dentistry for the handicapped. They will also experience planned learning experiences in private dental offices.

DENTAL HYGIENE 221—Director's Seminar. (1-0-1). Spring.

The student will be given the opportunity to reflect on the learning experiences of the dental hygiene curriculum and the role of the hygienist as a member of the health team.

Bachelor of Science in Dental Hygiene Education

An additional two years of study (six quarters) are offered to graduates of accredited associate degree dental hygiene programs who are registered dental hygienists. The enrollment is limited to those applicants with a minimum of one year of professional experience who wish to prepare themselves for a second career in Dental Hygiene Education.

In addition to courses listed for the Associate in Science in Dental Hygiene Degree, the following courses must be completed.

English 122, 221 . . . . .	10	Dental Hygiene 401 . . . . .	5
Mathematics—a 10 qtr. hr.		Dental Hygiene 402 . . . . .	5
sequence . . . . .	10	Dental Hygiene 403 . . . . .	5
History 114*, 115* . . . . .	10	Dental Hygiene 404 . . . . .	5
Philosophy 201 . . . . .	5		20
Education 301 . . . . .	5		
Psychology 301, 305 . . . . .	10		
Education 330 . . . . .	5		
P. E. Electives . . . . .	3		
	58		
Electives . . . . .	15		
	73		

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

Course Offerings

DENTAL HYGIENE 401—Practicum in Dental Hygiene Education I. (1-8-5). Offered on Demand.

An introductory field experience in the college dental hygiene clinic, with emphasis on observation, individual and small group teaching, and teacher aide work. The first professional course for majors in Dental Hygiene Education.

DENTAL HYGIENE 402—Practicum in Dental Hygiene Education II. (1-8-5). Offered on Demand.

A continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, the establishment and organization of content, methods of clinical evaluation and supervision in the dental hygiene clinic.

DENTAL HYGIENE 403—Practicum in Dental Hygiene Education III. (1-8-5). Offered on Demand.

An advanced field experience, designed to assist the student in the development of learning activities, teaching procedures, and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence.

DENTAL HYGIENE 404—Dental Hygiene Independent Study. (2-6-5). Offered on Demand.

Individual independent study and field work in an area of major interest with special relevance to dental hygiene and future career objectives.

## ANTHROPOLOGY

(See listing under Department of Psychology and Sociology.)

## ART

(See listing under Department of Fine Arts.)

## ECONOMICS

(See listing under Department of Business Administration.)

## DEPARTMENT OF EDUCATION

Professor William W. Stokes, Head; Associate Professors Newberry and Ward; Assistant Professors Barber, Boney, Lentini, Simensen, and White.

The purpose of the Department of Education is to coordinate the college-wide programs of teacher education and to offer professional courses for the pre-service and in-service preparation of teachers. For specific requirements of the teacher education programs offered by the college, see "Teacher Education" under "Degree Programs."



EDUCATION 203—Orientation to Teaching. (5-0-5). Each quarter.

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

EDUCATION 301—Child Development and the Educative Process. (2-8-5). Fall, Winter, Spring. Prerequisite: Education 203.

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit further development. Students attend seminars on campus and serve as junior professionals in selected elementary schools. Enrollment limited to 12 students per section.

EDUCATION 307—Growth and Development of the Young Child. (5-0-5). Fall. Prerequisite: Admission to Teacher Education.

The study of inter-relatedness of the aspects of growth and development: physical-motor, social-emotional, and intellectual-cognitive for the young child. A unification of theory and research utilizing directed observations and a study of various measurements appropriate with young children will be included.

EDUCATION 308—Child and His Family. (5-0-5). Offered on Demand. Prerequisite: Admission to Teacher Education.

The study of children including the parent-child, parent-teacher, relationships and cultural factors which affect children and their families. Techniques for development of parent involvement in the total developmental processes.

EDUCATION 309—Materials and Methods of Early Childhood Education. (5-0-5). Winter. Prerequisite: Education 307.

The study of curricula needs, materials and techniques appropriate for use with young children.

EDUCATION 310—Practicum in Nursery-Kindergarten Education. (2-8-5). Spring. Prerequisite: Education 309.

Provides opportunities for directed experience with children under six. Students attend seminars and work in selected preschool programs.

EDUCATION 330—Secondary School Curriculum and Methods, General. (3-6-5). Each quarter. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school curriculum and methods. Detailed study is given to techniques of systematic observation, preparation of behavioral objectives, analysis of critical incidents, production of media materials, practices of classroom control, and examination of instructional models. Directed practicum.



EDUCATION 425—The Teaching of Reading. (5-0-5). Each quarter. Prerequisites: Education 203 and Admission to Teacher Education, or permission of instructor.

The teaching of reading including approaches, techniques, materials, and evaluating growth.

EDUCATION 426—Practicum in Individualized Reading Instruction. (2-8-5). Offered on Demand. Prerequisite: Education 425.

This course is designed to provide prospective teachers with directed practice and observation in the teaching of reading. Special emphasis will be placed upon diagnosis and teaching of needed reading skills. Students will be placed under the supervision of teachers who have been selected for their competency in the teaching of reading. Open to Elementary Education majors only.

EDUCATION 434—Methods and Curriculum of Elementary Science. (5-0-5). Winter and Summer.

Provides prospective teachers with a better concept of the meaning of science, processes for translating this concept into classroom practice and a variety of ways for helping children learn science, with special emphasis on the kind of inquiry that engages them in the processes of discovery.

EDUCATION 435—Elementary School Curriculum. (5-0-5). Summer, Fall, Winter. Corequisite: Education 436. Prerequisites: Education 301 and Psychology 301, or permission of the instructor, and admission to the teacher education program.

The study of existing organizational patterns of the school and experiences in curriculum planning, evaluation, trends, and design. Directed observation.

EDUCATION 436—Elementary School Methods. (5-0-5). Summer, Fall, Winter. Corequisite: Education 435. Prerequisites: Education 301 and Psychology 301, or permission of the instructor, and admission to the teacher education program.

The study and evaluation of teaching methods, materials, and equipment in the various teaching fields. Actual unit development in preparation for student teaching.

EDUCATION 438—Secondary School Curriculum and Methods, Business Education. (5-0-5). Fall. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school business education curriculum with emphasis upon materials and methods of teaching business education. Directed observation.

EDUCATION 439—Secondary School Curriculum and Methods, English. (5-0-5). Fall. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school English curriculum with emphasis

upon materials and methods of teaching English. Directed observation.

EDUCATION 440—Secondary School Curriculum and Methods, Social Science. (5-0-5). Fall, Spring. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school social science curriculum with emphasis upon materials and methods of teaching social science. Directed observation.

EDUCATION 441—Secondary School Curriculum and Methods, Mathematics. (5-0-5). Offered on demand. Prerequisites: Admission to Teacher Education, Psychology 301, and 12 hours of 300 or 400 level mathematics courses. Corequisite: Mathematics 311, Mathematics 336.

The study of secondary school mathematics curriculum with emphasis upon materials and methods of teaching mathematics. Directed observations.

EDUCATION 443—Methods and Curriculum in Health, Physical and Recreation Education. (5-0-5). Offered on demand. Prerequisites: Admission to Teacher Education, Psychology 301, Education 330.

The study of secondary school Health, Physical and Recreation Education curriculum with emphasis upon materials and methods of teaching Health, Physical and Recreation Education. Directed observation.

EDUCATION 444—Secondary School Curriculum and Methods, Science. (5-0-5). Offered on demand. Prerequisite: Admission to Teacher Education, Psychology 301, and Education 330.

The study of secondary school science curriculum with emphasis upon materials and methods of teaching science. Directed observations.

EDUCATION 446-447-448—Student Teaching. (15 quarter hours). Fall, Winter, Spring. Prerequisite: See "Teacher Education" section under "Degree Programs."

Students are placed in selected schools for one quarter as full time student staff members. No additional credit hours may be earned while student teaching. Classroom teaching experiences and other staff responsibilities are jointly supervised by the college staff, supervising teachers, and principals in the selected schools.

## LIBRARY SCIENCE

LIBRARY SCIENCE 110—Introduction to Library Research and Materials. (1-0-1).

An orientation to the Lane Library, library terminology, general research methods, and major library aids, such as the card catalog,

classification and subject heading guides, general periodical and newspaper indexes, encyclopedias, dictionaries, almanacs, handbooks and yearbooks. This is a survey course to acquaint the student with a Library's potential to answer his information needs as a student, civilian, researcher, or business person.

**LIBRARY SCIENCE 111—Special Periodicals and Bibliographies. (1-0-1).**

A survey of special periodical and book indexes as well as atlases; gazetteers; biographical tools; reviews and criticisms; and national, state, local, and selected international and foreign documents, guides and tools.

**LIBRARY SCIENCE 310—Reference Materials. (5-0-5).** Offered on demand.

Study and evaluation of basic reference sources for effective reference service in elementary and secondary schools. Designed to give the student a working knowledge of a library as an information and resource center.

**LIBRARY SCIENCE 311—Introduction to Library Research and Materials. (2-0-2).**

An orientation to the Lane Library, library terminology, general research methods, and major library aids such as the card catalog, classification and subject heading guides, general periodical and newspaper indexes, encyclopedias, dictionaries, almanacs, handbooks, yearbooks, atlases, gazetteers, biographical tools, reviews and criticism, and national, state, local, and selected international and foreign documents, guides and tools.

**LIBRARY SCIENCE 312—Information Resources in the Humanities. (1-0-1).**

Extensive study of basic and advanced reference materials and search techniques in the Humanities.

**LIBRARY SCIENCE 313—Information Resources in the Social Sciences. (1-0-1).**

Extensive study of basic and advanced reference materials and search techniques in the Social Sciences.

**LIBRARY SCIENCE 314—Information Resources in the Sciences. (1-0-1).**

Extensive study of basic and advanced reference materials and search techniques in the Sciences.

**LIBRARY SCIENCE 320—Cataloging and Classification of School Library Materials. (5-0-5).** Offered on demand.

Introduction to the basic principles of cataloging and classification of books and audiovisual materials through the use of Dewey and Library of Congress classification. The card catalog, shelf list, physical procession, and procedure for ordering and using printed cards will be studied.



LIBRARY SCIENCE 410—Materials Selection. (5-0-5). Offered on demand.

Selection and evaluation of books and non-book materials; emphasis on those which meet curriculum needs and interest, and which represent various levels of difficulty; ways of stimulating their use. Attention will be given to selection aids and reading guidance.

LIBRARY SCIENCE 420—School Library Administration and Organization. (5-0-5). Offered on demand.

Basic organization of books, non-book materials, and services for effective use in school libraries. Administering the budget, purchase of materials, personnel, circulation, inventory, weeding, and instruction in the use of library materials will be considered. Examination of the improvement of instruction by correlating library use with school curricula.

## SPEECH CORRECTION

SPECIAL EDUCATION 205—Introduction to Exceptional Children. (5-0-5). Spring.

A study of the different kinds of exceptional children with emphasis on etiological factors, educational implications, and rehabilitation requirements. Primary consideration will be given to general discussions of mental retardation, emotional and social disturbances, visual and hearing impairments, physical handicaps, and speech and language disorders. Observations.

SPECIAL EDUCATION 225—Phonetics for Speech Correctionists. (2-6-5). Spring.

Deals with the use of the International Phonetic Alphabet (IPA) in speech correction, IPA transcription of normal and defective articulation and the important characteristics of regional dialects are stressed.

SPECIAL EDUCATION 230—Anatomy and Physiology of the Speech and Hearing Mechanism. (5-0-5). Fall.

Anatomy and physiology of the head, neck, and thorax from a speech and hearing standpoint. Special emphasis is placed on functional considerations of the respiratory system, larynx, oral and nasal structures, and ear.

SPECIAL EDUCATION 315—Normal Speech and Language Development. (5-0-5). Winter.

The study of normal language development with emphasis on oral language. This course traces developmental scales of speech and language growth across various age levels and includes the relationship between speech and language. Observations.

SPECIAL EDUCATION 320—Psychology of Speech. (5-0-5). Spring.



Basic principles of psychology as they apply to speech, with emphasis on learning, motivation, emotions, intelligence, personality, social relations, and psychological effects of speech disorders. Observations.

**SPECIAL EDUCATION 335—Speech Science.** (3-4-5). Fall.

Speech communication from a psychophysical standpoint. Study focuses on acoustics, physics of speech, transmission media, and physical analysis of speech.

**SPECIAL EDUCATION 410—Group Processes and Program Administration.** (3-4-5). Spring.

Administration of public school speech correction programs and methods of public school speech correction as related to working with children in groups. Characteristics of task oriented small group behavior and interaction are studied. Supervised clinical practice.

**SPECIAL EDUCATION 411—Stuttering.** (5-0-5). Fall. Prerequisite: Permission of Instructor.

An introduction to the problem of stuttering, its possible causes and the management and training of cases. Observations.

**SPECIAL EDUCATION 412—Language Disorders.** (5-0-5). Winter. Prerequisite: Permission of Instructor.

An introduction to language disorders of children and adults. Etiologies, evaluation procedures, and therapeutic approaches are studied. Major emphasis will be given to delayed language development and aphasia. Observations.

**SPECIAL EDUCATION 413—Organically Based Communication Problems.** (5-0-5). Winter. Prerequisite: Permission of Instructor.

The course includes a study of the communication problems related to disorders of voice, cleft palate, and cerebral palsy. Observations.

**SPECIAL EDUCATION 415—Articulation Disorders.** (2-6-5). Winter. Prerequisite: Special Education 325.

A study of the etiology, rationale, evaluation, and methods of therapy for disorders of articulation. The course includes the development of a therapeutic program, lesson plans, and supervised clinical practice.

**SPECIAL EDUCATION 420—Introduction to Audiology.** (2-6-5). Fall.

An introduction to the methods of hearing assessment through pure tone and speech audiometry, with a focus on rehabilitation of the hearing impaired. Supervised clinical practice.

## ENGLISH

(See listing under Department of Languages and Literature.)

## ENTOMOLOGY

(See listing under Department of Biology.)

## DEPARTMENT OF FINE ARTS

Professor Harry Persse, Head; Assistant Professors Brandon and McKinnell; Instructor Ambrose.

### Degree Programs in Music

The Department of Fine Arts offers the Bachelor of Arts degree with a major in music and the Bachelor of Music Education degree. The Bachelor of Music Education Degree is given in cooperation with Savannah State College. The course descriptions indicate which Savannah State College courses may substitute for equivalent courses at Armstrong State College.



## Admission Requirements

Since the college-level study of music presupposes a considerable background in music, as well as an aptitude for it, an audition is required for admission to the program. The audition will be used to determine the student's level of proficiency in his instrument and his potential for success in the program.

### Music Core Courses

Candidates for the Bachelor of Arts degree with a major in Music and the Bachelor of Music Education degree will complete the following music core courses:

	<i>Quarter Hours</i>
Elementary Music Theory 111, 112, 113 .....	9
Intermediate Music Theory 211, 212, 213 .....	9
Music Ensemble 251, 252, or 254 .....	6
Applied Music 141, 142, 143 .....	6
241, 242, 243 .....	6
Music History 371, 372, 373 .....	9
Music Theory 312 .....	<u>3</u>
TOTAL	48

### Requirements for the Bachelor of Arts Degree

	<i>Quarter Hours</i>
Music electives .....	15
Applied Music 341, 342, 343 .....	6
441, 442, 443 .....	6
Foreign Language 101, 102, 103 .....	15
Art History 290, 291 .....	10
Academic Electives .....	25
Physical Education .....	<u>6</u>
TOTAL	83

## Requirements for the Music Education Degree

	<i>Quarter Hours</i>
Music 221, 222, 223, 225 .....	5
Music 350, 351 .....	7
Music 352, 353 .....	4
Music 361, 381 .....	6
Applied Music 331, 332, 333	
431, 432 .....	5
Education 203, 330, 446, 447, 448 .....	25
English 228 .....	5
Psychology 301 .....	5
Physical Education (including P. E. 103, 117) .....	6
Academic Electives .....	<u>15</u>
TOTAL	83

Unless exempted by examination, a student in either of the two degree programs must complete a course in United States history.

Music Majors are required to:

1. Enroll for applied music each quarter until the applied music requirement has been met (except when student teaching).
2. Participate in an ensemble of the college each quarter (except when student teaching).
3. Participate in student recitals as directed by the applied music instructor. A student must perform in a quarterly recital at least once a year.

Minimum keyboard proficiency is required of all majors. This will be demonstrated by the ability to play simple hymns, standard cadences and simple piano pieces.

The achievement of a minimum level of proficiency in applied music is a requirement for graduation. Proficiency tests will be administered at jury examinations during the student's senior year.

Music Education majors will enroll for applied music each quarter with the exception of the quarter in which they are student teaching. A minimum of twelve hours credit will be in the principal instrument. A minimum of three quarters will be in the secondary instrument. For those whose principal instrument is voice, the secondary instrument should be piano, and for piano principals, voice.

Music majors pursuing the Bachelor of Arts degree may, by



appropriate selection of upper-division courses, arrange concentrations in performance, music literature and theory-composition.

### *Course Offerings*

#### ART

ART 101—Basic Design and Drawing. (3-4-5). Alternate years.

An introduction to compositional design in monochrome. Emphasis on drawing from observation using a variety of media and approaches.

ART 102—Basic Design and Drawing. (3-4-5). Alternate years.

An introduction to the use of color in the solution of design problems.

ART 103—Basic Design and Drawing. (3-4-5). Alternate years.

An introduction to drawing the human figure. Includes basic anatomy for the artist, the study of master drawings of the human figure, and drawing directly from live models.

ART 200—Introduction to the Visual Arts. (5-0-5). Fall, Winter.

The study of theories of art and their application in masterworks of art from all ages, directed toward increasing the understanding and enjoyment of art for the non-art major. Not recommended for students who have credit for Art 291.

ART 201—Drawing and Painting. (0-6-3). Alternate years.

An introduction to painting in oils from various observed subjects and from sketches.

ART 202—Drawing and Painting. (0-6-3). Alternate years.

A continuation of Art 201.

ART 203—Drawing and Painting. (0-6-3). Alternate years.

An introduction to watercolor painting in the studio and from nature.

ART 290—History of Art. (5-0-5). Offered on demand.

A survey of world art from ancient times through the Baroque.

ART 291—History of Art. (5-0-5). Offered on demand.

A survey of world art from the end of the seventeenth century to the present. Not recommended for students who have credit for Art 200.

ART 320—Art for the Elementary Teacher. (4-2-5). Fall, Winter.

A study of materials and methods for teaching art at the elementary school level.

### *Course Offerings*

#### MUSIC

MUSIC 100—Rudiments of Music. (5-0-5). Offered on demand.

An introduction to the principles of music reading with applications to the keyboard, guitar and simple wind instruments. May not be used for credit toward a degree in music.

MUSIC 111—Elementary Theory. (3-2-3). Fall.

An introduction to the basic theoretical principles of music including sightsinging, eartraining and keyboard harmony.

MUSIC 112—Elementary Theory. (3-2-3). Winter.

A continuation of Music 111 with emphasis on part-writing and diatonic material.

MUSIC 113—Elementary Theory. (3-2-3). Spring.

A continuation of Music 112 introducing seventh chords and diatonic modulation.

MUSIC 200—Introduction to Music Literature. (5-0-5). Fall, Spring.

A course designed to help the student understand music by means of analysis of style, forms, and media of musical expression.

MUSIC 211—Intermediate Theory. (3-2-3). Fall. Prerequisite: Music 113.

A continuation of Music 113 with emphasis on chromatic harmony.

MUSIC 212—Intermediate Theory. (3-2-3). Winter.

A continuation of Music 211.

MUSIC 213—Intermediate Theory. (3-2-3). Spring.

A continuation of Music 212 with emphasis on twentieth century techniques.

MUSIC 221—Brass and Percussion Instrument Methods. (0-3-2). Alternate years.

An introduction to the principles of brass and percussion instrument performance and pedagogy.

MUSIC 222—Woodwind Instrument Methods. (0-2-1). Alternate years.

An introduction to the principles of woodwind instrument performance and pedagogy.

MUSIC 223—String Instrument Methods. (0-2-1). Alternate years.

An introduction to the principles of string instrument performance and pedagogy.

MUSIC 225—Voice Methods. (0-2-1). Alternate years.

An introduction to the principles of voice production with emphasis on pedagogical applications.

MUSIC 226—Piano Class. (0-2-1). Offered on demand.

A study of keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

MUSIC 227—Voice Class. (0-2-1). Offered on demand.

A study of voice production techniques with practical application to standard song literature. Not open to students whose principal instrument is voice.

MUSIC 228-229—Diction in Singing. (2-0-2) (2-0-2).

A study of phonetics and pronunciation of Italian, German, French, and English as applied to singing.

MUSIC 251—Concert Band. (0-3-1).

Open to qualified students.

MUSIC 252—Stage Band. (0-3-1).

Open to qualified students.

MUSIC 254—Chorus. (0-3-1).

Open to qualified students.

(A student is limited to six hours of ensemble credit.)

\*MUSIC 312—Form and Analysis. (3-0-3). Alternate years. Prerequisite: Music 213.

The study of the principles of form in music and techniques of harmonic analysis. Equivalent substitute at Savannah State College: Music 311.

MUSIC 320—Music for the Elementary Teacher. (5-0-5). Winter, Summer.

An introduction to music skills and materials for the elementary classroom teacher. Not open to music majors.

MUSIC 350—Music in the Lower School. (3-0-3). Alternate years.

A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the lower school. Equivalent substitute at Savannah State College: Music 301.

MUSIC 351—Music in the Middle and Upper School. (4-0-4). Alternate years.

A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the junior and senior high schools. Equivalent substitute at Savannah State College: Music 308.

MUSIC 352—Band Methods. (2-0-2). Offered on demand.

A course dealing with the organization, maintenance and development of school instrumental ensembles.

MUSIC 353—Choral Methods. (2-0-2). Offered on demand.

A course dealing with the organization and development of school choral ensembles.

MUSIC 361—Orchestration and Arranging. (3-0-3). Offered on demand. Prerequisite: Music 213.

\*Offered only at Savannah State College during 1974-1975.



An introduction to the techniques of arranging and scoring for vocal and instrumental ensembles. Equivalent substitute at Savannah State College: Music 307.

\*MUSIC 371—Music History. (3-0-3). Alternate years. Prerequisite: One year of music theory or permission of the instructor.

The history of music in Western Civilization from its origins through the Renaissance. Equivalent substitute at Savannah State College: Music 314.

\*MUSIC 372—Music History. (3-0-3). Alternate years. Prerequisite: One year of music theory, or permission of the instructor.

The history of music in Western Civilization in the Baroque and Classic periods. Equivalent substitute at Savannah State College: Music 315.

\*MUSIC 373—Music History. (3-0-3). Alternate years. Prerequisite: Music 213 or permission of the instructor.

The history of music in Western Civilization in the Romantic Period and in the 20th century. Equivalent substitute at Savannah State College: Music 316.

MUSIC 381—Conducting. (3-0-3). Alternate years. Prerequisite: Music 113.

An introduction to the techniques of conducting and interpretation. Equivalent substitute at Savannah State College: Music 407.

MUSIC 411—Composition. (1 to 5 hours). Offered on demand. Prerequisites: Music 213, 312.

MUSIC 412—Counterpoint. (3-0-3). Offered on demand. Prerequisite: Music 213.

A study of contrapuntal practices of the Renaissance, Baroque and 20th century music.

MUSIC 418-419—Repertoire of the Principal Instrument. (2-0-2) (2-0-2). Prerequisite: Junior status or permission of the instructor.

Survey of the literature for the principal instrument.

MUSIC 420—Principal Instrument Pedagogy. (2-0-2). Offered on demand. Prerequisite: Junior status or Permission of Instructor.

An introduction to techniques of instruction of the principal instrument from the elementary through the advanced levels.

MUSIC 421—Principal Instrument Pedagogy. (2-0-2).

A continuation of Music 420.

MUSIC 422—Opera Literature. (5-0-5). Offered on demand. Prerequisites: Music 371, 372, 373 or permission of the instructor.

A study of operatic masterpieces from the origins of the form to the present.

\*Offered only at Savannah State College during 1974-1975.



MUSIC 451—Music in the Church. (2-0-2). Prerequisites: Music 371, 372, 373.

A study of the historical development of sacred music in Western culture from the early Christian period to the present.

MUSIC 490—Directed Individual Study. (1 to 5 hours).

### Applied Music Courses

To receive credit towards satisfaction of the applied music requirement in the music program a student should have met the entrance requirements for proficiency in his principal instrument. Credit in a secondary instrument may not be used to satisfy this requirement.

In the following system, replacing the third digit by a letter (A, B, C) indicates credit in a secondary instrument.

Music 131, 132, 133; 231, 232, 233; 331, 332, 333; 431, 432, 433—Applied Music. One twenty-five minute private lesson per week. One hour credit per quarter.

Music 141, 142, 143; 241, 242, 243; 341, 342, 343; 441, 442, 443—Applied Music. One fifty minute lesson per week. Two hours credit per quarter.

### Applied Music Fees

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$31.00 for one twenty-five minute lesson or \$62.00 for two lessons is charged quarterly to students not admitted to a music degree program and to music majors not enrolled for ten or more quarter hours of credit. This fee is refundable only when the student has not met his first lesson.

### FRENCH

(See listing under Department of Languages and Literature.)

### GEOGRAPHY

(See listing under Department of History and Political Science.)

### GERMAN

(See listing under Department of Languages and Literature.)

## HEALTH

(See listing under Department of Physical Education.)

### DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

Professor Roger K. Warlick, Head; Professors Beecher, Coyle, and Lanier; Associate Professors Clark, Duncan, Gross, McCarthy, and Newman; Assistant Professors Boney, Comaskey, and Patterson.

All students are reminded that any who receive degrees from the University System of Georgia are required to demonstrate proficiency in U. S. and Georgia History and Constitutions. This requirement may be met by the successful completion of Political Science 113 and History 251 or 252 or may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

A major in Political Science or History is most useful to those who plan to enter teaching, library or archival work, publishing, journalism, or such professional fields as international business, law or theology. Either major is also a desirable foundation for opportunities in or related to government (e.g., civil and foreign service, A.I.D., U.S.I.A., ACTION, teaching abroad, etc.). Beyond these fields there is an enormous variety of organizations (local, national, and international) whose philanthropic, sectarian, or economic interests require people with the skills and sensitivity developed by a major in History or Political Science.

#### The Major in History

Students majoring in History should satisfy the college core requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. To complete the major requires, beyond Western Civilization (History 114-115) and U. S. History (History 251-252), forty quarter hours from courses numbered 300 or above (with grades of "C" or better) including History 300. Students should register for History 300 in the Sophomore or early in the Junior year, or in the first possible quarter after making the decision to major in History. The major program must also include proficiency in a foreign language through the 201 level and 25 quarter hours above the Sophomore level in related fields such as: Anthropology, History of Art and Music, Economics, Literature, Political Science, Philosophy, or Sociology.

In selecting coursework, a student may emphasize the history of one particular area or cultural tradition, but may not present a major exclusively in only one of these areas.

The program for Secondary Teaching in History, with its distinctive requirements, is outlined in detail in the section on "Teacher Education."

### *Course Offerings*

#### HISTORY

**HISTORY 114**—History of Western Civilization. (5-0-5). Offered each quarter.

A chronological survey of the main currents of political, social, religious, and intellectual activity in western civilization from the time of the ancient Mediterranean civilization to 1715.

**HISTORY 115**—History of Western Civilization. (5-0-5). Offered each quarter.

A continuation of History 114 to the present.

**HISTORY 180**—The African Experience. (5-0-5). Offered on Demand.

A one quarter survey designed to introduce the important themes, concepts, and perspectives of African civilization. Examines African societies and cultures, major historical forces, the processes of social change, and Africa and the modern world.

**HISTORY 191**—Honors Civilization I. (5-0-5). Fall.

This course replaces History 114 for selected students. While the subject matter will be the same as for History 114, the treatment of it will vary greatly. Likewise, instruction will go beyond the usual lecture method, allowing students to read widely and carry out their own research under the direction of the professor.

**HISTORY 192**—Honors Civilization II. (5-0-5). Winter. Prerequisite: History 191 or a grade of "A" in History 114.

A continuation of History 191, this course replaces History 115.

**HISTORY 251**—American History to 1865. (5-0-5). Offered each quarter.

A survey of the political, economic, and social history of the United States to the end of the Civil War.

**HISTORY 252**—American History Since 1865. (5-0-5). Offered each quarter.

A survey of the political, economic, and social history of the United States from 1865 to the present.

**HISTORY 300**—Historical Method. (3-0-5). Fall. Required of all History majors.



An introduction to the nature and method of historical research, treating problems of investigation, organization, and writing through discussion and actual research experience in local history.

HISTORY 320—The Civilization of China and the Far East, Part I. (5-0-5). Fall.

The history of East Asia civilization from ancient times through the eighteenth century, with emphasis on characteristic political, economic, and social developments.

HISTORY 321—The Civilization of China and the Far East, Part II. (5-0-5). Winter.

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HISTORY 322—History of Japan. (5-0-5). Spring.

A survey of the history of Japan, with major emphasis placed upon the development of Japan since 1600.

HISTORY 323—History of India and South Asia. (5-0-5). Winter.

A survey of the civilization of South Asia, with principal attention given to India and Pakistan since 1600.

HISTORY 329—History of Russia to 1917. (5-0-5). Spring.

A survey of Russian history during the Kievan, Tartar, Muscovite, and Imperial eras.

HISTORY 330—Twentieth Century Russia. (5-0-5). Alternate Years.

An examination of the forces leading to the downfall of Tsarist Russia, the Bolshevik Revolution, and the political, economic, and social history of the Soviet era.

HISTORY 333—Modern Germany; 1789-1933. (5-0-5). Offered on Demand.

A study of Germany from the pluralism of the Holy Roman Empire through the German confederation to the unified Reich. Attention will be given to political, social, and cultural developments in Austria, Prussia, and the "Third Germany."

HISTORY 340—English History, 1660-1815. (5-0-5). Winter. Alternate Years.

An investigation of the Restoration monarchies, the constitutional revolution of 1688, the rise of ministerial responsibility in the early 18th century, the American colonial revolt, and England's relationship to the French Revolution.

HISTORY 341—English History 1485-1660. (5-0-5). Fall. Alternate Years.

An analysis of political, constitutional, economic, and religious issues under the Tudors and early Stuarts, including the English Civil War.



HISTORY 342—Ancient History. (5-0-5). Offered on Demand.

A study of the early civilizations of the Middle East, the Greek city states, the Roman republic and empire, with special emphasis on the social, political and cultural contributions of these ancient peoples.

HISTORY 343—Early Middle Ages, A.D. 333 - c.1000. (5-0-5). Fall.

The history of Europe from the fall of the Roman Empire through the Carolingian period with special emphasis on the institutional developments which led to the emergence of stable kingdoms out of the chaos of the barbarian invasions.

HISTORY 344—The High Middle Ages, c.1000 to c.1300. (5-0-5). Winter.

The history of Europe from c.1000 to c.1300 with emphasis on the struggle between church and state, the Crusade movement, and the 12th century intellectual renaissance, all of which profoundly influenced the development of the various medieval kingdoms.

HISTORY 345—The Late Middle Ages and Renaissance. (5-0-5). Spring. Alternate Years.

The history of Europe from c.1300 to 1517 with emphasis on the political, cultural, and intellectual developments which transformed medieval and Renaissance society.

HISTORY 346—Reformation Era. (5-0-5). Winter. Alternate Years.

A study of the controversial era emphasizing its major issues and movements, and their development through the Thirty Years War. Political, social, and economic, as well as religious facets of the upheaval will be considered.

HISTORY 347—The French Revolution and Napoleon. (5-0-5). Fall.

The ideas and events of the Old Regime and the Enlightenment in France, with emphasis on the impact of the French Revolution and the career of Napoleon upon the major European nations.

HISTORY 348—The History of Europe from 1815 to 1900. (5-0-5). Winter.

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

HISTORY 349—Absolutism and The Enlightenment. (5-0-5). Winter. Alternate Years.

The primary focus of this course is the social and intellectual history of western Europe during the seventeenth and eighteenth centuries.

HISTORY 350—Europe in the Twentieth Century. (5-0-5). Spring.

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

HISTORY 351—Social and Intellectual History of the United States to 1865. (5-0-5). Alternate Years. Prerequisite: History 251.

An examination of political theory, social development, and the principal trends in American thought to 1865.

HISTORY 354—Social and Intellectual History of the United States since 1865. (5-0-5). Alternate Years. Prerequisite: History 252.

A continuation of History 351 to the present.

HISTORY 356—American Constitutional History. (5-0-5). Fall.

A study of the origins, content, and expansion of the Constitution of the United States.

HISTORY 365—The American Indian. (5-0-5). Spring. Alternate Years.

A study of the history and cultures of the aborigines of the Americas.

HISTORY 367—American Urban History. (5-0-5). Spring.

A study of the process of urbanization in America from colonial times to the present, with attention to the causes of urban expansion, institutional development, class structure and mobility, problems of the city, reform, the image of the city in popular thought, and the impact of urbanization on national life.

HISTORY 371—Colonial and Revolutionary America. (5-0-5). Spring. Alternate Years.

A study of the discoveries of the New World and the settlement and growth of the English colonies of North America, the American triumph over France in the New World, the drastic change in British colonial policy and the rise of American opposition to it, the achievement of independence and the establishment of the United States under the Constitution.

HISTORY 373—The Middle Period of American History. (5-0-5). Spring. Alternate Years.

The political, economic, and cultural development of the Republic from 1820 to the decade of the 1850's, with particular attention to Jacksonian Democracy, slavery and abolitionism, and the impact of westward expansion.

HISTORY 375—Civil War and Reconstruction. (5-0-5). Winter.

The causes and significance of the American Civil War, with minor consideration of the military campaign; political, economic and social aspects of Reconstruction.

HISTORY 376—Foundations of Modern America. (5-0-5). Winter. Alternate Years.

An analysis of institutions and forces which molded American life in the late 19th and early 20th centuries, including politics, economics, society, and thought.

HISTORY 378—Recent American History. (5-0-5). Spring. Alternate Years.

The course covers twentieth century American History, with emphasis on political, economic, and social issues.

HISTORY 381—History of Tropical Africa I. (5-0-5). Offered on Demand.

Introduces the basic historical themes of tropical Africa, including the peopling of the continent, Iron Age cultures, growth of African kingdoms and states, spread of Islam, and the beginnings of Euro-African contact.

HISTORY 382—History of Tropical Africa II. (5-0-5). Offered on Demand.

An examination of the major social, political, and economic factors contributing to the growth of modern Africa: the Islamic revolutions, trade, the politics in West and East Africa, the European conquest and African reaction, and colonial rule and the African voice.

HISTORY 395-396-397—Internship. (credit variable, 5-15 hours).

Open to students accepted by the Georgia Intern Program. The student will pursue an individually designed course project involving off-campus study and research in a government or private agency for which he will receive a stipend. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under the joint supervision of the sponsoring agency and his faculty advisor. Credit arrangements must be made through the department.

HISTORY 400—Seminar in American History. (5-0-5). Permission of instructor required for admission.

Designed to permit a group of advanced students to pursue intensive research on a special topic in the field to be defined by the instructor.

HISTORY 410—Seminar in European History. (5-0-5). Permission of instructor required for admission.

A detailed analysis of a specific problem in European history by examination of primary materials.

HISTORY 454—Studies in American Diplomacy I. (5-0-5). Fall. Prerequisite: History 251, or equivalent.

Considers American objectives and policies in foreign affairs from colonial times to 1890.

HISTORY 455—Studies in American Diplomacy II. (5-0-5). Winter. Prerequisite: History 252, or equivalent.

A continuation of History 454 to the present.



HISTORY 483—The African Revolution: Nationalism and Independence. (5-0-5). Offered on Demand.

An examination of the growth of African nationalism and emergence of independent states in the twentieth century. Examines the problems of modernization, military coups, white Africa, and African liberation movements.

HISTORY 485—History of South Africa. (5-0-5). Offered on Demand.

Considers the major themes of conflict and interdependence in South Africa with emphasis on the nineteenth and twentieth century. Includes a discussion of the racial policies of white Africa and African nationalism in southern Africa.

HISTORY 490-491-492—Independent Study. (1-5)-0-(1-5). Offered each quarter.

Admission by approval of instructor and the Head of the Department.

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor, and written reports and essays. Normally open only to seniors with a B average in History and in their overall work.

HISTORY 495—European Historiography. (5-0-5). Fall. Alternate Years.

A study of the writers of history in the Western cultural tradition, with an emphasis on the historical philosophies, interpretations, and problems raised by the major modern European historians. Recommended especially to students contemplating graduate work in History.

HISTORY 496—American Historiography. (5-0-5). Spring. Alternate Years.

A study of the writing of American history from colonial times to the present with emphasis on the historical philosophies and interpretations of the major schools of thought as well as individual historians. Recommended especially to students contemplating graduate work in History.

## GEOGRAPHY

GEOGRAPHY 111—World Human Geography. (5-0-5).

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.



## POLITICAL SCIENCE

All students are reminded that any who receive degrees from the University System of Georgia are required to demonstrate proficiency in U.S. and Georgia History and Constitutions. This requirement may be met by the successful completion of Political Science 113 and History 251 or 252 or may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

### The Major in Political Science

Students majoring in Political Science should satisfy the college core requirements for the Bachelor of Arts during their Freshman and Sophomore years. To complete a Political Science major requires, beyond American Government (113), forty quarter hours of upper division courses in the field (with grades of "C" or better). Further, the program must include at least one course from each of the following groups:

- I. American Political Institutions  
(300, 304, 305, 317, 411, 414)
- II. International Relations (320, 325, 326, 329)
- III. Political Theory (331, 332, 333)
- IV. Comparative Government (340, 345, 348, 349)

The major program must also include proficiency in a foreign language through 201-level (French or German is recommended for those contemplating graduate work), Mathematics 220, and 25 quarter hours of coursework in such related fields as: Economics, History, Geography, Mathematics, Philosophy, Psychology, or Sociology.

The program for Secondary Teaching in Political Science, with its distinctive requirements, is outlined in detail in the section on "Teacher Education".

**POLITICAL SCIENCE 113—Government of the United States.**  
(5-0-5). Offered each quarter.

A study of the structure, theory, and functions of the national government in the United States and some of the major problems of the state and local government.

**POLITICAL SCIENCE 200—Introduction to Political Science.**  
(5-0-5). Winter.

This course deals with the area of political science as a discipline and serves as an introduction to the systematic study of modern government. Attention is given to the role of politics in society; the nature and origins of the state; the nature and development of political institutions; the basis of political action; and the theories, forms, and processes of government.

**POLITICAL SCIENCE 300—Political Behavior.** (5-0-5). Fall. Prerequisites: Political Science 113 and Mathematics 220 or equivalent.

This course emphasizes the economic, psychological, and social aspects of political behavior. It examines the concepts of power, roles, groups, elites, decision-making, political communications, and systems analysis. Consideration is also given to the basic theories, variables, and hypotheses used in empirical research in political science. Designed primarily for those students intending to go to graduate school.

**POLITICAL SCIENCE 304—Public Administration.** (5-0-5). Spring. Prerequisite: Political Science 113 or equivalent.

This is a one-quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. Attention will also be given the political process as it unfolds in the administration of laws enacted by the Congress.

**POLITICAL SCIENCE 305—State and Local Government.** (5-0-5). Winter. Prerequisite: Political Science 113 or equivalent.

This course is concerned primarily with the political process and the behavior of political actors at the local and state levels of government in the United States. It is concerned with the techniques and research results of the relevant empirical literature that has evolved over the past 15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others.

**POLITICAL SCIENCE 317—Constitutional Law.** (5-0-5). Spring. Prerequisite: Political Science 113 or equivalent.

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writing on judicial decision-making.

**POLITICAL SCIENCE 320—International Relations: The Far East.** (5-0-5). Spring.

**POLITICAL SCIENCE 325—International Organization.** (5-0-5). Fall. Prerequisite: Political Science 113 or permission of instructor.

A survey of the development, principles, structure and functions of international organizations, with emphasis upon the role of these institutions in the maintenance of peace.

**POLITICAL SCIENCE 326—International Law.** (5-0-5). Spring. Prerequisite: Political Science 113 or permission of instructor.

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

**POLITICAL SCIENCE 329—International Relations. (5-0-5).** Winter. Prerequisite: Political Science 113 or permission of instructor.

An introduction to the theories, forces, and practices dominating contemporary international relations.

**POLITICAL SCIENCE 331—Political Theory I. (5-0-5).** Fall.

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the Seventeenth Century. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

**POLITICAL SCIENCE 332—Political Theory II. (5-0-5).** Winter. Prerequisite: Political Science 331 or permission of instructor.

A continuation of Political Science 331, from the 17th to the 20th century.

**POLITICAL SCIENCE 333—Contemporary Political Ideologies. (5-0-5).** Spring. Prerequisite: Political Science 332 or permission of instructor.

A continuation of Political Science 332, including a general survey and analysis of the important ideological currents of our time with selected in-depth readings from original sources.

**POLITICAL SCIENCE 340—Comparative Political Analysis. (5-0-5).** Offered on demand. Prerequisite: Political Science 113 or its equivalent.

This course is mainly theoretical. It deals with the various approaches, concepts, and methodologies that are being used in the analysis of comparative politics, viz: the traditional approach (formal-legal), group theory of politics, systems analysis, structural-functional analysis, communications theory, decision-making theory, game theory, etc. Each approach is examined and used in comparing the politics of various countries.

**POLITICAL SCIENCE 345—African Politics. (5-0-5).** Offered on Demand.

Designed to introduce students to African politics, this course is divided into three parts covering: the colonial period, examining British, French, Belgian, and Portuguese rule; African governments immediately after independence; and the transition to military rule in some countries. Problems common to the key independent countries (e.g., Nigeria, Ghana, Tanzania, Zaire) are examined and also the National Liberation movements in Southern Rhodesia, South Africa, and the Portuguese colonies.

**POLITICAL SCIENCE 348—Comparative Government: Western Europe. (5-0-5).** Fall. Prerequisite: Political Science 113 or equivalent.

An analytical and comparative study of the major Western European governments, with principal emphasis upon the analysis of the conditions which led to effective and stable parliamentary



government and those which lead to the inefficiency, instability and breakdown of such systems.

POLITICAL SCIENCE 349—Comparative Government: Soviet Union. (5-0-5). Winter. Prerequisite: Political Science 113 or equivalent.

An analytical and comparative study of the political system of the U.S.S.R. and the Soviet bloc of nations in Eastern Europe.

POLITICAL SCIENCE 395-396-397—Internship. (credit variable, 5-15 hours).

Open to students accepted by the Georgia Intern Program. The student will pursue an individually designed course project involving off-campus study and research in a government or private agency for which he will receive a stipend. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under joint supervision by the sponsoring agency and his faculty advisor. Credit arrangements must be made through the department.

POLITICAL SCIENCE 400—Senior Seminar. (5-0-5). Admission will be subject to approval of the instructor.

Designed to permit superior students to pursue research and reading in some field of political science under the supervision of the staff.

POLITICAL SCIENCE 411—The American Presidency. (5-0-5). Offered on Demand. Prerequisite: Political Science 113 or equivalent.

Offers an in-depth survey of the office of the Presidency, with the principal emphasis on the relations of the executive branch with the Congress and the Court system. Some attention will be given to the evolution of the Presidency to its present dominant position in the American political process. (Completion of a survey course in American History is desirable).

POLITICAL SCIENCE 414—The American Congress. (5-0-5). Offered on Demand. Prerequisite: Political Science 113, or equivalent.

A detailed study of the legislative process in the national government with particular emphasis on executive - legislative relations. Some comparisons will be made with the law-making processes of other nations. (Some background in American political and social history is desirable.)

POLITICAL SCIENCE 490-491-492—Independent Study. (1-5)-0-(1-5). Offered each quarter. Admission by approval of instructor and the Head of the Department.

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only



to seniors with a B average in Political Science and in their overall work.

## JOURNALISM

(See listing under Department of Languages and Literature.)

## DEPARTMENT OF LANGUAGES AND LITERATURE

Professor Hugh Pendexter, III, Head; Professors Anchors, Easterling, Killorin, Lubs, Seale, Strozier; Associate Professor Jones; Assistant Professors Brooks, Brown, Harris, Jenkins, Lawson, Noble, Ramsey, Suchower, Welsh, and White.

Entering students should begin the required English composition sequence no later than the second quarter of their attendance. By doing so, the student will have had the opportunity to complete the required sequence prior to his taking the University System Rising Junior English Examination.

Students enrolled in degree programs which require a foreign language must show proficiency in the appropriate language at the required level by successfully completing standardized examinations administered by members of the foreign language faculty in the Department of Languages and Literature. This requirement applies to students enrolled at Armstrong State College and taking their foreign language courses on this campus and to students who, while enrolled at Armstrong State College, take their foreign language courses on another campus. Students transferring to Armstrong State College, after having completed the required foreign language sequence at another college, are not required to complete the proficiency examinations at Armstrong.

Entering freshmen who wish to exempt the foreign language requirement may do so by successfully completing the proficiency examination through the level required in a specific degree program. For further information on the exemption process, the student should contact the Head of the Department of Languages and Literature.

### Departmental Requirements for the Major in English

A student majoring in English must complete at least 40 hours of upper-division courses (300-400 level) in the major field, of which at least 15 hours must be on the 400-level. A major program must include at least one of the starred courses in each of the following groups:

- I. Shakespeare (404\*)
- II. English Literature before 1660 (300\*, 301\*, 302\*, 320\*, 402, 403)
- III. English Literature after 1660 (303\*, 304\*, 305\*, 306\*, 307\*, 311, 312, 316, 322).
- IV. American Literature (308\*, 309\*, 310\*, 313, 315, 322).
- V. a. English Language (324\*, 325\*, 410\*) or
  - b. Comparative Literature (314\*, 317\*, 318\*, 332\*, 333\*, or English 322\*) or
  - c. Speech (for Speech majors) (341\*, 345\*, 346\*; 400, 450).

The major shall select one area of specialization from groups II-V and complete at least two additional courses in that area (starred or unstarred). English 400, 401, 490, and 491 may, depending on the subject, be counted in any area of specialization.

The major program must also include proficiency in foreign language equivalent to the level achieved on completion of 201 as demonstrated on an examination to be designated by the department, and 25 hours of approved courses on the 300 or 400 level from these related fields: literature in a foreign language, history, philosophy, art, music, speech. Those concentrating in speech should include among their related-field courses Speech 227 (5 hours) or Speech 450 (15 hours) and Speech 228 and two courses in dramatic literature either in English or in a foreign language. Students concentrating in comparative literature should take as many of their related field courses as possible in foreign literature in the original language.

Unless exempted by examination, each student must complete a course in United States history.

#### Departmental Requirements for the Major in French

A student majoring in French must complete at least 40 quarter hours of French beyond French 300. This program includes successful completion of one quarter's study (15 quarter hours) in France with the University System of Georgia Study Abroad Program. The department reserves the right to test a returning student on any or all material covered during the student's quarter in France. "Material covered" includes information a student should have acquired in scheduled museum visits or other field trips, geography of France, and any other information which might be included under the heading of general culture.

An additional thirty quarter hours are required in a related area. It is recommended that related courses be taken from the following:

1. Literature in a language other than French. This would include English, American, foreign or comparative literature. In the case of foreign literature, it is strongly recommended that the courses be taken in the original language.
2. History. It is naturally recommended that the bulk of courses be taken in French and European history.
3. Foreign language other than French, preferably a non-Romance language, plus courses in linguistics, such as English 410.

Unless exempted by examination, each student must include in his program of studies a course in United States history.

#### Departmental Requirements for a Major in English With a Concentration in Speech

The following is a statement of policy on departmental requirements for the major in English with a concentration in Speech.

A student majoring in English with a concentration in Speech must complete at least 65 hours of course work as outlined below. The major program must also include proficiency in foreign language equivalent to courses 101 through 201.

#### *Quarter Hours*

- I. Required English courses .....20 hours  
English 404 - Shakespeare  
English 322 - Modern British, American, and Continental  
Drama: Ibsen to the present  
English 320 - British Drama: Beginnings to 1640  
Comparative Literature 318 - Ancient Drama
- II. At least one course from the following group ..... 5 hours  
English 324 - Introduction to Linguistics  
English 325 - Advanced Grammar: Generative-Transformational  
Grammar  
English 410 - History of the English Language
- III. Required Speech courses .....25 hours  
Speech 227 - Theatre Laboratory (5 quarters)  
Speech 228 - Fundamentals of Speech  
Speech 341 - Oral Interpretation  
Speech 345 - History of the Theatre  
Speech 346 - Play Production



- IV. At least one course from the following group . . . . . 5 hours  
 English 490 - Independent Study  
 Speech 400 - Special Topics  
 English 400 or 401 (depending on the subject)
- V. Electives: at least two additional courses  
 in related fields . . . . . 10 hours  
 or Speech 450 - Drama Workshop (15 hours)

### *Course Offerings*

#### COMPARATIVE LITERATURE

COMPARATIVE LITERATURE 314—Continental Novel. (5-0-5).  
 Offered 1974-75.

COMPARATIVE LITERATURE 317—Ancient Epic and Lyric.  
 (5-0-5). Offered 1974-75.

COMPARATIVE LITERATURE 318—Ancient Drama. (5-0-5).  
 Offered 1973-74.

COMPARATIVE LITERATURE 332—Medieval and Renaissance  
 Continental Literature. (5-0-5). Offered 1974-75.

COMPARATIVE LITERATURE 333—Modern Continental  
 Literature. (5-0-5). Offered 1973-74.

#### ENGLISH

Students will be assigned to freshman English classes according to  
 results of diagnostic tests taken before the beginning of the term.

ENGLISH 110—English as a Second Language (5-0-5). Offered on  
 demand.

This course is designed to prepare the student whose native  
 language is not English to do the normal college composition work.  
 Students who pass this course are eligible for English 122. Admission  
 by permission of the instructor.

ENGLISH 121—Composition and Non-Fiction. (5-0-5). Offered  
 every quarter.

Assignment to this course is based upon the results of the English  
 Department's placement test or upon the successful completion of  
 English 99. The instruction focuses upon rhetoric, organization of  
 ideas, and techniques of reading.

ENGLISH 122—Composition and Introduction to Prose Fiction.  
 (5-0-5). Offered every quarter. Prerequisite: English 121, English  
 110, or English 191.



ENGLISH 191—Honors Composition. (5-0-5). Fall.

Instruction in this course will not follow the traditional lecture method only; the student will read widely and write a research paper (or papers) in the fashion which the instructor thinks will best discipline him for independent study. This course replaces English 121 for selected students.

ENGLISH 192—Honors Composition and Introduction to Literature. (5-0-5). Prerequisite: English 103 or a grade of "A" in English 121. Winter.

In this course the students will read more extensively than for English 122 and will write critical papers.

ENGLISH 221—Composition and Introduction to Poetry and Drama. (5-0-5). Offered every quarter. Prerequisite: English 122 or English 192.

This course is prerequisite to all 300 and 400-level courses in English and Comparative Literature.

ENGLISH 222—Literature and the Human Condition. (5-0-5). Offered every quarter. Prerequisite: English 221.

A course ordered around one or all of these questions: (1) man's nature, needs and goals; (2) his place in nature; (3) his relationship to human society. The works read may investigate in depth one point of view on these questions or may explore several contrasting viewpoints. The student will be asked to order and express, at least tentatively, his own views. No term or research paper required.

ENGLISH 300—Early English Literature: Beginnings through 1485. (5-0-5). Offered Fall, 1974.

ENGLISH 301—Renaissance 1485-1603. (5-0-5). Offered 1974-1975.

ENGLISH 302—17th Century: 1603-1660. (5-0-5). Offered Summer, 1974.

ENGLISH 303—Restoration. (5-0-5). Offered Spring, 1975.

ENGLISH 304—18th Century. (5-0-5). Offered 1975-76.

ENGLISH 305—19th Century I: Romantic. (5-0-5). Offered 1974-75.

ENGLISH 306—19th Century II: Victorian. (5-0-5). Offered 1974-75.

ENGLISH 307—20th Century British. (5-0-5). Offered 1974-75.

ENGLISH 308—American I: Beginnings through Cooper. (3-0-3). Offered 1975-76.

ENGLISH 309—American II: Emerson through Twain. (5-0-5). Offered 1975-76.

ENGLISH 310—American III: Rise of Naturalism to the present. (5-0-5). Offered 1974-75.

ENGLISH 311—British Novel I: Beginnings through Austen. (3-0-3). Offered 1975-76.

ENGLISH 312—British Novel II: Scott through Hardy. (5-0-5). Offered 1975-76.

ENGLISH 316—British Novel III: Conrad through present. (5-0-5). Offered 1974-75.

ENGLISH 313—American Novel I: Beginnings through James. (5-0-5). Offered 1974-75.

ENGLISH 315—American Novel II: Naturalists to present. (5-0-5). Offered 1975-76.

ENGLISH 320—British Drama: Beginnings to 1640. (5-0-5). Offered 1975-76.

ENGLISH 322—Modern British, American, and Continental Drama: Ibsen to the present. (5-0-5). Offered 1974-75.

ENGLISH 324—Introduction to Linguistics. (5-0-5). Offered Fall, 1975.

ENGLISH 325—Advanced Grammar: Generative-Transformational Grammar. (5-0-5). Prerequisites: English 324 or Speech 228. Winter.

ENGLISH 329—Introduction to Literary Research and Writing. (2-0-2). Offered on Demand.

A course intended to increase the student's skill in gathering research materials and using bibliographies, to improve the style and mechanics of his scholarly papers, and to familiarize him with literary terminology. Highly recommended for those majors who plan to teach or enter graduate school.

ENGLISH 331—Children's Literature (does not apply toward English major). (5-0-5). Offered on demand.

ENGLISH 340—Advanced Composition. (5-0-5). Offered on demand.

The study of expository and report techniques. Prerequisite: English 221 or consent of instructor (does not apply toward English major).

ENGLISH 342—Creative Writing. (5-0-5). Prerequisite: English 222 or consent of instructor. Offered on demand.

ENGLISH 400—Seminar. ((1-5)-0-(1-5)). Offered on demand.

ENGLISH 401—Seminar. ((1-5)-0-(1-5)). Offered on demand.

ENGLISH 402—Milton. (5-0-5). Spring, 1975.

ENGLISH 403—Chaucer. (5-0-5). Offered 1975-76.

ENGLISH 404—Shakespeare. (5-0-5). Fall.

ENGLISH 410—History of the English Language. (5-0-5). Offered Spring, 1974.

ENGLISH 490—Independent Study. ((1-5)-0-(1-5)). Offered on demand. Prerequisites: Senior Status and English 221.

ENGLISH 491—Independent Study. ((1-5)-0-(1-5)). Offered on demand. Prerequisites: Senior Status and English 221.

## SPEECH

SPEECH 227—Theatre Laboratory. (0-3-1). Offered every quarter.

Practical experience in theatre. The student will work on the Masquers' production of the quarter. Only one hour of credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.

In the summer students may take up to five hours credit in Speech 227 by working part-time in summer theatre workshop (Speech 450).

SPEECH 228—Fundamentals of Speech. (5-0-5) Prerequisite: English 121. Offered every quarter.

Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanism is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

SPEECH 341—Oral Interpretation. (5-0-5). Offered 1975-76. Prerequisite: English 121.

A practical course in the oral interpretation of poetry and prose. The techniques of literary analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.

SPEECH 345—History of the Theatre. (5-0-5). Offered 1974-75. Prerequisite: English 121.

A survey of theatrical art from its beginning to the present day. The course emphasizes the development of the physical theatre.

SPEECH 346—Play Production. (5-0-5). Spring Prerequisite: English 121.

A course in the theory and practice of acting and directing, with special attention to image-making on stage. Individuals under supervision prepare and execute the production of scenes and short plays.

SPEECH 400—Special Topics. ((1-5)-0-(1-5)).

The specific subject matter in this course will be determined and announced by the professor at the time when the course is offered.



SPEECH 450—Drama Workshop. (0-45-15). Offered in summer only.

This course is summer stock theatre for credit. Students will be directed and instructed by a member of the faculty who is a professional in the theatre. All aspects of production will be included.

## PHILOSOPHY

PHILOSOPHY 201—Introduction to Philosophy. (5-0-5). Offered on demand. Prerequisite: English 121.

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science, and religion. Includes a survey of the basic issues and major types of philosophy and shows their sources in experience, history, and representative thinkers.

PHILOSOPHY 301—History of Philosophy: Ancient and Medieval. (5-0-5). Offered on demand. Prerequisite: English 121.

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Middle Ages, with emphasis on selected works of major philosophers.

PHILOSOPHY 302—History of Philosophy: Modern (5-0-5). Offered on demand. Prerequisite: English 121.

European philosophy from the Renaissance through Kant, emphasizing selected works of major philosophers.

PHILOSOPHY 303—19th and 20th Century Philosophy. (5-0-5). Prerequisite: Philosophy 201, 301, or 302; English 121. Offered on demand.

A study of the major philosophers in philosophical movements of the 19th and 20th centuries.

PHILOSOPHY 320—Introduction to Oriental Philosophy. (5-0-5). Offered on Demand. Prerequisite: English 121.

PHILOSOPHY 400—Special Topics. ((1-5)-0-(1-5)). Offered on demand. Prerequisite: English 121.

The specific subject matter in this course will be determined and announced by the professor at the time when the course is offered.

PHILOSOPHY 490—Independent Study. ((1-5)-0-(1-5)). Offered on demand. Prerequisites: Senior Status and English 121.

The student, with the advice and consent of his supervising professor and of the department head, will select the topic for supervised independent study and will submit a prospectus for departmental approval before the quarter in which the course is to be taken.



## JOURNALISM

JOURNALISM 227—Journalism Laboratory. (0-3-1). Offered on demand.

Practical experience in journalism. Students will work under instruction on the college newspaper staff. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Journalism Laboratory is five quarter hours. Admission by permission of the instructor.

## FRENCH

FRENCH 101-102-103—Elementary French. (5-0-5) (5-0-5) (5-0-5). Offered each year.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required.\*

To receive credit for French 103, a student must successfully complete the Modern Language Association L level test in French.

FRENCH 201—Intermediate French. (5-0-5). Fall. Prerequisite: three quarters of college French or three years of high school French.

Further reading of texts, and oral and composition practice.

To receive credit for French 201, a student must successfully complete the Educational Testing Service College Placement Test in French.

FRENCH 300—Composition and Conversation. (5-0-5). Winter.

FRENCH 301—French Literature of the Middle Ages and the Renaissance. (5-0-5). Offered alternate years. Prerequisite: French 201.

FRENCH 302—French Classical Drama. (5-0-5). Offered alternate years. Prerequisite: French 201.

Selected plays of Corneille, Moliere, and Racine.

FRENCH 304—French Literature of the 19th Century. (5-0-5). Offered alternate years. Prerequisite: French 201.

A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

FRENCH 305—French Literature of the 19th Century: Realism and Naturalism. (5-0-5). Offered alternate years. Prerequisite: French 201.

FRENCH 351-352-353—Study Abroad in France (15 hours credit). Prerequisite: French 103.

This course is a summer quarter's residence and study in France in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Dijon for a period of

\*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7-½ i.p.s.

nine weeks. During this time the student will receive intensive instruction in language and culture and will be expected to engage in co-curricular activities sponsored by the University of Dijon and USG.

FRENCH 401—French Literature of the Twentieth Century. (5-0-5). Prerequisite: French 201.

This course is a study of contemporary prose, poetry, and drama with lectures and discussions in French. This course, normally the last course in French that a student would take, includes a serious term paper of considerable magnitude to be written in French.

FRENCH 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior Status and French 201.

## GERMAN

GERMAN 101-102-103—Elementary German. (5-0-5) (5-0-5) (5-0-5). Offered each year.

Elements of reading and writing; basic vocabulary; simple conversation; essentials of grammar.\*

To receive credit for German 103, a student must successfully complete the Modern Language Association L Level test in German.

GERMAN 201—Intermediate German. (5-0-5). Fall. Prerequisite: Three quarters of college German or three years of high school German.

Further reading of texts, oral and composition practice.

To receive credit for German 201, a student must successfully complete the Educational Testing Service College Placement Test in German.

GERMAN 211—Scientific German. (3-0-3). Offered on demand. Prerequisite: same as 201.

Readings in scientific and technical material with special attention to grammatical difficulties encountered in this literature.

GERMAN 300—Composition and Conversation. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 302—German Literature of the Twentieth Century. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 304—19th Century German Literature. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 351-352-353—Study Abroad in Germany. (15 hours credit). Prerequisite: German 103.

\*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7-½ i.p.s.

This course is a summer quarter's residence and study in Germany in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Germany for a period of nine weeks. During this time the student will receive intensive instruction in language and culture and will participate in University sponsored activities.

GERMAN 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisite: Senior Status and German 201.

## SPANISH

SPANISH 101-102-103—Elementary Spanish. (5-0-5) (5-0-5) (5-0-5). Offered each year.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition, and conversation.\*

To receive credit for Spanish 103, a student must successfully complete the Modern Language Association L level test in Spanish.

SPANISH 201—Intermediate Spanish. (5-0-5). Fall. Prerequisite: Three quarters of college Spanish or three years of high school Spanish.

Further reading of texts and oral and composition practice.

To receive credit for Spanish 201, a student must successfully complete the Educational Testing Service College Placement Test in Spanish.

SPANISH 300—Composition and Conversation. (5-0-5). Winter. Prerequisite: Spanish 201.

SPANISH 351-352-353—Study Abroad in Spain (15 hours credit.) Prerequisite: Spanish 103.

This course is a summer quarter's residence and study in Spain in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Salamanca for a period of nine weeks. During this time the students will receive intensive instruction in language and culture which will be complemented by a number of excursions.

SPANISH 490—Independent Study. (1-5)-0-(1-5). Offered on demand. Prerequisites: Senior Status and Spanish 201.

## LIBRARY SCIENCE

Assistant Professor George Sloan, Director;  
Assistant Professors Ball, Hughes, Miller, Prantalos, Sandy.  
(See listing under Department of Education.)

\*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7-½ i.p.s.



## DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Professor Richard M. Summerville, Head; Professors Hudson and Winn (Emeritus); Associate Professor Hinkel; Assistant Professors Semmes, Hansen, Findeis, Munson, Shipley, Padgett, Kilhefner, Netherton, and Etersque.

The department offers two basic programs of study — one leading to the Bachelor of Science degree with a major in mathematics, and the other leading to the Bachelor of Science in Education degree with a major in mathematics. The latter degree program is specifically designed to prepare teachers of secondary mathematics and is an approved program for the Georgia Teacher's Professional Four-Year Certificate (T-4). Students wishing to earn both the Bachelor of Science degree and complete the requirements for the T-4 certificate may do so by satisfying all requirements for both the B.S. and the B.S.Ed. degrees. A third degree program — Bachelor of Science with a major in Computer Science — has been submitted for approval to the Board of Regents of the University System of Georgia. For full information on this degree program, please contact the the Head of the Department.

In addition to these degree programs, the Department of Mathematics and Computer Science cooperates with the Department of Business Administration to offer the B.B.A. degree with a major in Information Systems. Details concerning this degree program are given under the catalogue entry for the Department of Business Administration. The Department of Mathematics and Computer Science also participates in the Dual Degree Program of Armstrong State College and the Georgia Institute of Technology under which students may, in five years of study, earn simultaneously the B.S. degree in mathematics from Armstrong and the bachelor's degree in any one of a number of fields of engineering from Georgia Tech.

Students who wish to pursue any of the above degree programs should consult with the department head before their first quarter in residence for advisement and planning of their academic programs.

### DEGREE REQUIREMENTS

#### Bachelor of Science with a Major in Mathematics

	<i>Quarter Hours</i>
A. General Education .....	76
1. English 121, 122, 221 .....	15
2. One of the following courses: Art 200, 290, 291, English 222, Music 200, Philosophy 201 .....	5
3. One of the three sequences: Biology 101, 102; Chemistry 128, 129; Physics 217-218 .....	10



4. History 114*, 115*, and either 251* or 252* .....	15
5. Political Science 113*, and one of the four courses: Psychology 101, Anthropology 201, Sociology 102, Economics 201 .....	10
6. One foreign language sequence** .....	15
7. Physical Education 103, 117, and three activity courses .....	6
 B. Mathematics Major .....	50-60
1. Mathematics 101**, 103**, 104, 201, 202, 203 .....	20-30
2. Mathematics 311, 312, 316, 401 .....	12
3. Two of the four courses: Mathematics 341, 342, 402, 403 .....	6
4. Approved 300-400 level mathematics electives .....	12
 C. Related Field Requirement .....	15
In addition to his other requirements, the student must complete fifteen quarter hours of approved courses in one field of study related to his major. Each course taken to satisfy this requirement must be approved by the student's advisor prior to the student's enrollment.	
 D. Approved Electives .....	40-50
 TOTAL ...	
191	

\*These courses may be exempted by examination with credit awarded. See  
"Academic Regulations" and "Degree Requirements" sections.

\*\*Required unless exempted by examination.

### Bachelor of Science in Education with a Major in Mathematics

A. General Education .....	81
1. English 121, 122, 221 .....	15
2. Two of the four courses: Art 200, English 222, Music 200, Philosophy 201 .....	10
3. Two of the three sequences: Biology 101, 102; Chemistry 128, 129; Physics 217, 218 .....	20
4. History 114*, 115*, and either 251* or 252* .....	15
5. Psychology 101 and Political Science 113* .....	10
6. Speech 228 .....	5
7. Physical Education 103, 117 and three activity courses .....	6

B. Mathematics Major .....	50-60
1. Mathematics 101**, 103**, 104, 201, 202, 203 .....	20-30
2. Mathematics 311, 316, 321, 336, 401 .....	15
3. Two of the four courses: Mathematics 312, 322, 337, 402 .....	6
4. Approved 300-400 level mathematics electives .....	9
C. Professional Sequence .....	35
1. Psychology 301 .....	5
2. Education 203, 330, 441, 446, 447, 448 .....	30
D. Approved Electives .....	15-25
TOTAL ..191	

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Requirements" sections.

\*\*Required unless exempted by examination.

### Course Offerings

#### MATHEMATICS

MATHEMATICS 101—College Algebra. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Students must take the Mathematics Diagnostic Test prior to enrolling. Dates on which the test is administered are given in the academic calendar in the front of the catalogue. Present text: Hart, *Basic College Algebra*.

Real number arithmetic; polynomial and rational expressions; linear and quadratic equations; functions and graphs; inequalities; absolute value; sequences and progressions; the binomial theorem; techniques of counting and elementary probability.

MATHEMATICS 103—Pre-Calculus Mathematics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101 or permission of the department head. Present text: Flanders and Price, *Introductory College Mathematics with Linear Algebra and Finite Mathematics*.

Functions; polynomial, trigonometric, exponential, and logarithmic functions; mathematical induction; complex numbers; matrices, determinants, and systems of equations.

MATHEMATICS 104—Calculus I. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 103 or permission of the

department head. Present text: Seeley, *Calculus of One & Several Variables*.

The derivative and its applications; introduction to integration.

MATHEMATICS 195—Elementary Applied Mathematics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101 or its equivalent. (Not open to students who have successfully completed Mathematics 104 or its equivalent.) Present text: Hart, *Mathematics for Managerial and Social Sciences*.

A survey of elementary analytic, linear, and finite mathematics as they relate to commerce, business, and life situations.

MATHEMATICS 201—Calculus II. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 104. Present text: Seeley, *Calculus of One & Several Variables*.

Techniques of integration; linear differential equations; vectors in the plane; polar coordinates; approximation theory; applications.

MATHEMATICS 202—Calculus III. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 201. Present text: Seeley, *Calculus of One & Several Variables*.

Infinite sequences; infinite series; three-dimensional vectors; solid analytic geometry; applications.

MATHEMATICS 203—Calculus IV. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 202. Present text: Seeley, *Calculus of One & Several Variables*.

Differential calculus of several variables; multiple, line and surface integrals; Green's and Stokes' Theorems; applications.

MATHEMATICS 220—Elementary Statistics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101 or its equivalent. Present text: Freund, *Statistics: A First Course*.

Measures of central tendency and dispersion; probability distributions; inferences concerning means, standard deviations, and proportions; analysis of variance; correlation; regression.

MATHEMATICS 290—Topics in Mathematics. (5-0-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101 or its equivalent. (Not open to mathematics majors.) Present text: Wimbish, *Mathematics: A Humanistic Approach*.

A terminal course of selected topics designed to portray the history, philosophy, and aesthetics of mathematics, and to develop an appreciation of the role of mathematics in western thought and contemporary culture.

MATHEMATICS 311-312-313—Abstract Algebra I, II, III. (3-0-3 each). 311-Fall, 312-Winter, 313-Spring. Prerequisite: Mathematics 203. Present text: Maxfield and Maxfield, *Abstract Algebra and Solution by Radicals*.



Classical topics in the elementary theory of groups, rings, and fields.

MATHEMATICS 316-317—Linear Algebra I, II. (3-0-3 each). 316-Spring, 317-Not offered during the 1974-75 academic year. Prerequisite for Mathematics 316: Mathematics 202. Prerequisite for Mathematics 317: Mathematics 312 and Mathematics 316. Present text: Anton, *Elementary Linear Algebra*.

Linear systems; vector spaces and linear transformations; matrices; determinants; normed linear spaces and inner product spaces.

MATHEMATICS 321-322—Probability and Statistics I, II. (3-0-3 each). 321-Fall, 322-Winter. Prerequisite for Mathematics 321: Mathematics 202. Prerequisite for Mathematics 322: Mathematics 203 and Mathematics 321. Present text: Freund, *Mathematical Statistics*.

Probability spaces; random variables; algebra of expectation; random sampling; the law of large numbers; correlation and regression.

MATHEMATICS 336-337—Modern Geometry I, II. (3-0-3 each). Not offered during the 1974-75 academic year. Prerequisite: Mathematics 201. Present text: Ewald, *Geometry: An Introduction*.

A survey of selected topics from Euclidean, spherical, projective, and finite geometry.

MATHEMATICS 341-342-343—Analysis and Applications I, II, III. (3-0-3 each). 341-Winter, 342-Spring, 343-Fall. Prerequisite: Mathematics 203. Present text: Kreyszig, *Advanced Engineering Mathematics*.

Applied advanced calculus; vector analysis; ordinary differential equations; boundary value problems and methods of mathematical physics.

MATHEMATICS 353-354—Numerical Analysis I, II. (3-0-3 each). Summer, 1974. Prerequisite: Mathematics 202 and Computer Science 110 (or its equivalent). Present text: Haggerty, *Elementary Numerical Analysis with Programming*.

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

MATHEMATICS 360—Mathematical Logic. (3-0-3). Not offered during the 1974-75 academic year. Prerequisite: Mathematics 201. Present text: Stoll, *Set Theory and Logic*.

The elementary statement and predicate calculus; formal systems; applications of logic in mathematics.

MATHEMATICS 391—Basic Ideas of Arithmetic. (5-0-5). Winter, Summer. Prerequisite: Mathematics 101 or its equivalent. (Not open



to mathematics majors.) Present text: Peterson and Hashisaki, *Theory of Arithmetic*.

Fundamental concepts of arithmetic as they relate to the elementary school; current elementary school methods and materials used in arithmetic instruction.

MATHEMATICS 392—Basic Ideas of Geometry. (5-0-5). Spring. Prerequisite: Mathematics 101 or its equivalent. (Not open to mathematics majors.) Present text: Haag, Hardgrove, Hill, *Elementary Geometry*.

Fundamental concepts of geometry as they relate to the elementary school; current elementary school methods and materials used in geometry instruction.

MATHEMATICS 400—Special Topics. ((1-5)-0-(1-5)). Offered by special arrangement. Prerequisite: Consent of the instructor and permission of the department head.

Individual readings and research under the direction of a member of the mathematics faculty.

MATHEMATICS 401-402-403—Fundamentals of Modern Analysis I, II, III. (3-0-3 each). 401-Spring, 402-Fall, 403-Winter. Prerequisite: Mathematics 203 and 6 quarter hours of 300-400 level mathematics courses. Present text: Goldberg, *Methods of Real Analysis*.

The real number system; sequences and series; metric spaces; continuous functions on metric spaces; connectedness, completeness, compactness; the Riemann integral; the elementary functions; uniform convergence; the Weierstrauss approximation theorem; the Lebesgue integral; Fourier series.

MATHEMATICS 406-407—Functions of a Complex Variable I, II. (3-0-3 each). 406-Winter; 407-Spring. Prerequisite: Mathematics 203 and six quarter hours of 300-400 level mathematics courses. Present text: Churchill, *Complex Variables with Applications*.

Complex numbers; elementary functions and transformations; the Cauchy theory; conformal mapping; Riemann's mapping theorem.

MATHEMATICS 416-417—Theory of Numbers I, II. (3-0-3 each). Not offered during the 1974-75 academic year. Prerequisite: Mathematics 203 and six quarter hours of 300-400 level mathematics courses. Present text: Barnett, *Elements of Number Theory*.

Divisibility and congruence; quadratic reciprocity; Diophantine equations; number-theoretic functions and their applications; selected advanced topics from algebraic and analytic number theory.

MATHEMATICS 436-437—Topology I, II. (3-0-3 each). Summer, 1975. Prerequisite: Mathematics 401 and Mathematics 311. Present text: Fairchild, *Topology*.

Topological spaces and homeomorphisms; separability; compactness; connectedness; completeness; metrizability; introduction to homotopy theory.

**MATHEMATICS 470**—History of Mathematics. (3-0-3). Fall. Prerequisite: Twelve quarter hours of 300-400 level courses in mathematics (excluding Mathematics 391 and Mathematics 392). Present text: Struik, *A Concise History of Mathematics*.

A survey of the development of mathematics from its empirical beginnings to its present state.

## COMPUTER SCIENCE

**COMPUTER SCIENCE 110**—Introduction to Computing. (4-3-5). Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101.

BASIC programming and program structure; elementary logic and Boolean algebra; algorithms, flow charts, debugging; computer solutions of numeric and non-numeric problems; characteristics and applications of computers in modern society.

**COMPUTER SCIENCE 231**—Business Languages I. (4-3-5). Winter. Prerequisite: Computer Science 110.

Introduction to language and programming applications for small computer systems with RPG; programming and applications of COBOL in the commercial environment; concepts of file processing.

**COMPUTER SCIENCE 232**—Business Languages II. (4-3-5). Spring. Prerequisite: Computer Science 231.

Advanced COBOL programming for business applications; table handling, sporting, and report generating facilities of COBOL; processing of tape and disk files.

**COMPUTER SCIENCE 241**—Scientific Languages I. (4-3-5). Spring. Prerequisite: Computer Science 110.

Programming of scientifically oriented problems in a higher-level language; language facilities for arrays, input/output, subroutines, non-numeric processing, and machine-dependent features.

**COMPUTER SCIENCE 242**—Scientific Languages II. (4-3-5). Fall. Prerequisite: Computer Science 241.

Comparative study of scientific programming languages including facilities for recursion, procedures, storage allocation techniques, string processing, and passing of parameters.

**COMPUTER SCIENCE 301**—Computer Organization and Programming. (4-3-5). Winter, Summer. Prerequisite: Computer Science 232 or 241.

Introduction to systems programming via in-depth coverage of assembler language programming; operating systems; addressing techniques; internal storage structure; machine-level representation of instructions and data; subroutines; I/O; linkers and loaders; macro facilities; mass data storage facilities.

**COMPUTER SCIENCE 302**—Data Structures. (4-3-5). Fall. Prerequisite: Computer Science 301.

Internal representation of arrays, queues, trees, stacks, and lists; hardware characteristics of large computer systems; concepts related to the interaction between data structures and storage structures for the generating, developing, and processing of data.

**COMPUTER SCIENCE 306**—Data and Programming Management. (4-3-5). Spring. Prerequisite: Computer Science 301.

Programming methodology for processing large quantities of data; job control language, utility programs, and data storage and retrieval utilizing mass storage devices.



**COMPUTER SCIENCE 320**—Statistical Methods for Computer Programming. (3-4-5). Fall. Prerequisite: Mathematics 220 and Computer Science 110.

Concepts and skills related to utilizing computers in statistical analyses, including the programming of statistical analyses and elementary simulations, the use of random number generators and the statistical evaluation of their output, and data analysis using packaged systems.

**COMPUTER SCIENCE 341**—Programming Languages. (4-3-5). Winter — even years. Prerequisite: Computer Science 242, 302.

Formal definition of programming languages; specification of syntax and semantics; precedence rules for operators; translation between infix, prefix, and postfix notations; subroutines and coroutines; block structures; list structures; string structures.

**COMPUTER SCIENCE 353-354**—Numerical Analysis I, II. (3-0-3 each). Summer — even years. Prerequisite: Mathematics 202 and Computer Science 110.

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

**COMPUTER SCIENCE 401**—Systems Programming I. (4-3-5). Winter — odd years. Prerequisite: Computer Science 302.

Software requirements for support of computer systems, especially in a multiprogrammed environment; addressing techniques; file system organization and management; I/O; control systems; spooling; interrupts; reentrant code; user services; executive systems.

**COMPUTER SCIENCE 402**—Systems Programming II. (4-3-5). Spring — odd years. Prerequisite: Computer Science 401.

Design and analysis of operating systems; memory management; name management; file systems; segmentation; paging; protection; resource allocation.

**COMPUTER SCIENCE 406**—Design of Programming Systems. (3-0-3). Summer — odd years. Prerequisite: Computer Science 402.

Design of monitor systems; executive systems and operating systems as they relate to current generation computers with facilities for multi-programming; teleprocessing, real time, and interactive processing.

**COMPUTER SCIENCE 431**—Control and Organization of Information. (3-0-3). Fall. Prerequisite: Computer Science 232, 306.

Information analysis and logical design of information systems and data bases; consideration of hardware, access methods, management and control functions, communicating with the data base, and integrated systems.

**COMPUTER SCIENCE 432**—Systems Analysis and Design. (3-0-3). Winter. Prerequisite: Computer Science 431.

Principles and techniques of systems analysis, including personnel and machine requirements, file considerations, problem formulation, analysis aids, iterative requirements of the design phase, and implementation criteria and evaluation; readings and case studies related to analysis and design, and a student project incorporating the techniques studied in an appropriate real-world environment.

**COMPUTER SCIENCE 442**—Design of Compilers. (4-3-5). Spring — even years. Prerequisite: Computer Science 341.

Requirements for higher level digital computer language compilers, including symbol tables, storage allocation, object code translating and interpreting, syntax and semantic scans, and object code optimization.

COMPUTER SCIENCE 490—Special Topics in Computer Science. ((0-5)-(0-15)-(1-5)). Offered by special arrangement. Prerequisite: Consent of the instructor and permission of the department head.

Individual or group readings and research under the direction of a member of the faculty.

COMPUTER SCIENCE 496-497-498—Internship in Computer Science. (1-13-5 each). Offered by special arrangement. Prerequisite: Permission of the department head.

Experience, in a variety of computing environments suited to the educational and professional aspirations of the student, under the direction of a member of the faculty and appropriate off-campus supervisory personnel.

#### TYPICAL B.S. DEGREE PROGRAM IN MATHEMATICS

	Fall Quarter	Winter Quarter	Spring Quarter
FRESHMAN YEAR	Mathematics 101 . . . 5	Mathematics 103 . . . 5	Mathematics 104 . . . 5
	English 121 . . . . . 5	English 122 . . . . . 5	English 221 . . . . . 5
	History 114* . . . . . 5	History 115* . . . . . 5	Pol. Sci. 113* . . . . . 5
	P.E. 103 . . . . . 1	P.E. 117 . . . . . 2	P.E. 1— . . . . . 1
	16	17	16
SOPHOMORE YEAR	Mathematics 201 . . . 5	Mathematics 202 . . . 5	Mathematics 203 . . . 5
	Lab. Science I . . . . 5	Lab. Science II . . . . 5	History 251/252* . . . 5
	Foreign Lang. I . . . . 5	Foreign Lang. II . . . . 5	Foreign Lang. III. . . . 5
	P.E. 2— . . . . . 1	P.E. 2— . . . . . 1	
	16	16	15
JUNIOR YEAR	Mathematics 311 . . . 3	Mathematics 312 . . . 3	Mathematics 401 . . . 3
	Mathematics 316 . . . 3	Math Elec.** . . . . 3	Math Elec.** . . . . 3
	Rel. Fld. Elec. . . . . 5	Rel. Fld. Elec. . . . . 5	Rel. Fld. Elec. . . . . 5
	Humanities Elec. . . . . 5	Social Sci. Elec. . . . . 5	Elective . . . . . 5
	16	16	16
SENIOR YEAR	Math Elec.** . . . . . 3	Math Elec.** . . . . . 3	Math Elec.** . . . . . 3
	Math Elec.** . . . . . 3	Math Elec.** . . . . . 3	Math Elec.** . . . . . 3
	Elective . . . . . 5	Elective . . . . . 5	Elective . . . . . 5
	Elective . . . . . 5	Elective . . . . . 5	Elective . . . . . 5
	16	16	16

#### TYPICAL B.S. Ed. DEGREE PROGRAM IN MATHEMATICS

	Fall Quarter	Winter Quarter	Spring Quarter
FRESHMAN YEAR	Mathematics 101 . . . 5	Mathematics 103 . . . 5	Mathematics 101 . . . 5
	English 121 . . . . . 5	English 122 . . . . . 5	English 221 . . . . . 5
	History 114* . . . . . 5	History 115* . . . . . 5	Pol. Sci. 113* . . . . . 5
	P.E. 103 . . . . . 1	P.E. 117 . . . . . 2	
	16	17	15
SOPHOMORE YEAR	Mathematics 201 . . . 5	Mathematics 202 . . . 5	Mathematics 203 . . . 5
	Lab. Science I . . . . 5	Lab. Science II . . . . 5	History 251/252* . . . 5
	Psychology 101 . . . . 5	Education . . . . . 5	Humanities Elec. . . . 5
	P.E. 2— . . . . . 1	P.E. 2— . . . . . 1	P.E. 2— . . . . . 1
	16	16	16
JUNIOR YEAR	Mathematics 311 . . . 3	Mathematics 321 . . . 3	Mathematics 401 . . . 3
	Mathematics 316 . . . 3	Math Elec.*** . . . . 3	Math Elec.*** . . . . 3
	Speech 228 . . . . . 5	2nd Lab. Sci. I . . . . 5	2nd Lab. Sci. II . . . . 5
	Humanities Elec. . . . . 5	Psychology 301 . . . . 5	Education 330 . . . . 5
	16	16	16
SENIOR YEAR	Mathematics 336 . . . 3	Math Elec.** . . . . . 3	Education 446 . . . . 5
	Math Elec.*** . . . . 3	Math Elec.*** . . . . 3	Education 447 . . . . 5
	Social Sci. Elec. . . . . 5	Elective . . . . . 5	Education 448 . . . . 5
	Elective . . . . . 5	Education 441 . . . . . 5	
	16	16	15

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

\*\*Two of these courses must be selected from among Mathematics 341, Mathematics 342, Mathematics 402, and Mathematics 403.

\*\*\*Two of these courses must be selected from among Mathematics 312, Mathematics 322, Mathematics 337 and Mathematics 402.



## MENTAL HEALTH WORK

(See listing under Department of Psychology and Sociology.)

## MUSIC

(See listing under Department of Fine Arts.)

## DEPARTMENT OF NURSING

Associate Professor Sister M. Bonaventure, R.S.M., Head; Assistant Professors Bell, R.N.; Overstreet, R.N.; Cunningham, R.N.; Silcox, R.N.; Instructors Buck, R.N.; Keller, R.N.; G. Miller, R.N.; M. Miller, R.N.; Preston, R.N.; Sutton, R.N.; Tribe, R.N.; Vocational Counselor Shearouse.

### Associate in Arts in Nursing

The Associate in Arts Degree Program in Nursing provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the state examination for licensure to practice as registered nurses.

The nursing educational program is developed by proceeding from simple to complex situations in nursing which evolve from the fundamental needs of individuals throughout the human life cycle.

Student nurses participate in nursing laboratory experiences at Memorial Medical Center, Candler General Hospital Complex, St. Joseph's Hospital, Georgia Regional Hospital at Savannah, and other community agencies. Students are assigned to the clinical area and are responsible for providing their own transportation.

Students who enroll in this program have opportunities for personal, intellectual, and socio-ethical development, as well as having the personal satisfaction of becoming a member of a professional group which has unlimited opportunities after graduation.

A passing grade in all natural science courses must be maintained each quarter for the student to be allowed to continue in Nursing courses during the freshman year. Such natural science courses must be satisfactorily completed before the student will be admitted to sophomore status in the program. The student must earn a "C" or better in each Nursing course before he or she will be allowed to register for the subsequent Nursing course; therefore, the grade of "C" or better in the previous course is a prerequisite for all Nursing courses. The student may repeat a Nursing course only once in order

to earn the "C" grade that is prerequisite for the subsequent course. A grade of "C" or better must also be earned in Nursing 203. An overall GPA of 2.0 is required for graduation from the program.

### Freshman Year

	<i>Qtr. Hrs.</i>
Psychology . . . . .	5
Zoology 208, 209 . . . . .	10
Chemistry 205, 206 . . . . .	6
Biology 210 . . . . .	5
Nursing 101 . . . . .	8
Nursing 102 . . . . .	8
Nursing 103 . . . . .	8
	<u>50</u>

### Sophomore Year

	<i>Qtr. Hrs.</i>
Political Science* . . . . .	5
English 121 . . . . .	5
Nursing 201 . . . . .	9
History 251 or 252* . . . . .	5
Nursing 202 . . . . .	9
P.E. Elective . . . . .	3
Nursing 203 . . . . .	10
Sociology 201 . . . . .	5
	<u>51</u>

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" section and "Degree Programs" section.

### *Course Offerings - Freshman*

NURSING 101 and 101-L—Fundamentals of Nursing: Selected Laboratory Experiences. (6-6-8). Fall Quarter.

In this introductory course, students are given the opportunity to develop basic nursing skills and to learn and apply the principles to problem solving in the identification of the nursing care of individual patients. Emphasis is also placed upon foundational knowledge of growth and development of man, nutritional needs, pharmacology and communication skills. Clinical experience in community hospitals is given under supervision. (Exemption exams for qualified applicants will be considered.)

NURSING 102 and 102-L—Maternal-Child Health; Selected Laboratory Experiences. (6-6-8). Winter and Spring Quarter. Prerequisite: Nursing 101, Zoology 208, and Chemistry 205.

A study of maternal and infant health care designed to strengthen understanding of patient-family-nurse relationships during the child bearing process. Focus is on a family centered approach to nursing care of the normal and premature newborn and the well child. Includes concepts of family planning as well as gynecological problems. Core threads are drug therapy, diet therapy, psychological and emotional factors affecting maternal and infant health, and family teaching.

Laboratory learning is provided within the maternity, nursery, and gynecological areas and selected out-patient clinics.

NURSING 103 and 103-L—Psychiatric Nursing; Selected Laboratory Experiences. (6-6-8). Winter and Spring Quarter. Prerequisites: Nursing 101, Zoology 208, and Chemistry 205.

The nursing problems involved in caring for patients in which the focus is on psychological needs of the individual who is viewed within a continuum of mental wellness-mental illness. The patient with unmet needs is considered not only as an individual but as a member of a family and a community.

Laboratory learning is provided in psychiatric clinical areas and community agencies.

### *Course Offerings - Sophomore*

NURSING 201 and 201-L—Nursing in Physical Illness I. (6-9-6). Fall Quarter. Prerequisite: Nursing 102, 103.

A course consisting of the study of selected nursing problems relating to normal and altered physiological body processes. Includes study in principles of care of children and adults with nursing problems in medical-surgical conditions. Diet and drug therapy, associated communicable diseases, patient and family teaching and psychological and emotional factors affecting health are core threads. Laboratory instruction is provided within the medical-surgical, operating room, and recovery room.

NURSING 202 and 202-L—Nursing in Physical Illness II. (6-9-9). Winter Quarter. Prerequisite: Nursing 201.

A continuation of Nursing 201. The more common medical-surgical illness is considered with emphasis on major health problems. Nursing 201 core threads are continued and patient care before, during, and after surgical intervention is included. Nursing laboratory learning is included. Nursing laboratory learning is provided within the medical-surgical, operating room and recovery room clinical areas.

NURSING 203 and 203-L—Advanced Nursing Problems. (5-15-10). Spring Quarter. Prerequisite: Nursing 202.

A course designed to develop greater depth of knowledge and understanding of the nursing aspects related to the care of patients with complex medical-surgical problems. Emphasis is on therapeutic nurse-patient relationships in the care of children and adults with a multiplicity of nursing needs. Core threads and a patient centered, problem-solving approach are continued. Laboratory learning is provided within the intensive care unit, coronary care unit, selected medical-surgical units, and emergency room.

NURSING 204—Nursing Trends (1-0-1).

A survey course designed to assist students in understanding the roles of registered nurses in contemporary society. Consists of discussion which explores current trends in nursing practice and education and the legal aspects of nursing and nursing organizations.



# Bachelor of Science in Nursing

## Admission and Graduation Requirements

The prospective candidate for the Bachelor of Science Degree in Nursing must meet the admission criteria of Armstrong State College. Admission to the program will also be dependent on the following as are applicable:

1. The candidate must be a graduate of a state approved school of nursing: associate degree or hospital diploma school.
2. Credits earned by graduates of an associate degree program conducted by a legally constituted degree granting institution may transfer.
3. The number of credits allowed a diploma school graduate will be determined by an evaluation of the applicant's school of nursing transcript based on criteria developed for the program.
4. All candidates for the Bachelor of Science Degree in Nursing must have passed the state board licensing examination for registered nurses. This requirement must be met prior to application for graduation.
5. The last forty-five quarter hours of the degree program must be earned at Armstrong State College.

## Curriculum

General Education		Nursing	
	<i>Qtr. Hrs.</i>		<i>Qtr. Hrs.</i>
English 122 .....	5	Nursing 411 .....	5
English 221 .....	5	Nursing 412 .....	5
Mathematics 101 .....	5	Nursing 413 .....	5
Mathematics 195 or		Nursing 414 .....	8
220 or 290 .....	5	Nursing 415 .....	8
History 114* .....	5	Nursing 416 .....	2
History 115* .....	5	Nursing 417 .....	3
Sociology 315 or		Nursing 418 .....	3
350 or 365 .....	5	Nursing 419 .....	3
Psychology 301 or			<u>42</u>
305 or 311 .....	5		
Philosophy 201 .....	5		
Elective .....	5		
Physical Education .....	<u>3</u>		
	53		

Total two academic years .....95

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.



### *Course Offerings*

NURSING 411—Principles of Nursing Management. (5-0-5). Offered on demand.

Designed to investigate selected principles of management science and leadership as applied to nursing in health agencies.

NURSING 412—Application of Principles of Nursing Management. (5 credit hours). Offered concurrently with Nursing 411.

Selected observations and experiences in the application of principles of nursing management in health agencies.

NURSING 413—Introduction to Community Nursing. (5 credit hours). Offered on demand.

Introduction to the concepts basic to public health, including the history of the public health movement, epidemiology, environmental control, vital statistics, community planning and organization and development of public health programs. Emphasis will be placed on selecting nursing action and planning for continuity and extension of patient care through cooperative hospital and public health coordination.

NURSING 414—Community Health Resources - Field Experiences. (8 credit hours). Offered on demand. Prerequisite: Nursing 413.

Observation and carefully guided practice in giving total family health service to a selected group of patients in varied community settings and in using community resources effectively in planning for post hospital continuity of patient care. (A car will be necessary.)

NURSING 415—Advanced Clinical Specialty. (5-10-5). Offered on demand.

Research and experimental based study in an area of nursing specialty adapted to the particular needs of the individual student.

NURSING 416—Rudiments of Independent Study. (2 credit hours.)

A review of nursing research methods with emphasis on design, data collection, measurement survey and analysis.

NURSING 417—Special Problems in Nursing. (3 credit hours.) Prerequisite: Nursing 416. Offered concurrently with Nursing 416.

A course in which research problems in nursing are undertaken. Prior consent of nursing faculty and agreement on a topic are required.

NURSING 418—Independent Study. (3 credit hours.) Prerequisite: Nursing 417.

An in-depth continuation of a selected problem in nursing with independent field and laboratory investigation under faculty guidance. Final written report required.

NURSING 419—Administration of Nursing Personnel. (5-0-5).  
Offered on demand.

Investigates theories and practices relating to the administration of nursing personnel in health agencies. Responsibilities of individuals in the performance of various personnel functions are considered.

## PHILOSOPHY

(See listing under Department Languages and Literature.)

## DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, Head; Associate Professor Tapp; Assistant Professors Alexander, Bedwell, and Kinder; Instructors Walton and Wilson.

During the freshman year, all students should take Physical Education 117 (Basic Health) and 103 or 108 (Swimming). During the sophomore year, students may elect any three Physical Education activity courses with the last two numbers being between 01 to 09. Students unable to participate in the regular program should plan an alternate program with the Head of the Department of Physical Education. For other department regulations, see "Physical Education Program" under "Academic Regulations."

Physical Education majors are urged to complete their Core Curriculum requirements before entering their junior years.

Departmental Requirements for the Bachelor of Science in Education Degree With a Major in Health, Physical and Recreation Education

	<i>Quarter Hours</i>
A. Core Curriculum requirements . . . . .	85
B. One of the three courses (Required of men): . . . . .	2
P.E. 212—Coaching Football . . . . .	2
P.E. 213—Coaching Basketball . . . . .	2
P.E. 214—Coaching Baseball and Track . . . . .	2
The following course (Required of women):	
P.E. 217—Theory and Techniques of Coaching and Officiating Team Sports for Women . . . . .	2

C. Each of the following: .....	43
P.E. 211—Safety and First Aid .....	2
P.E. 215—Theory and Techniques of Coaching .....	3
P.E. 216—History and Principles of Health, Physical and Recreation Education .....	5
*P.E. 305—Corrective Physical Education .....	3
P.E. 313—Kinesiology .....	3
P.E. 314—Skill Techniques .....	3
P.E. 315—Skill Techniques .....	2
*P.E. 316—Intramural and Recreational Activities or *P.E. 317—Community Play, Recreation, and Camp Counseling .....	5
P.E. 410—Philosophy of Physical Education .....	2
P.E. 412—Measurement and Evaluation in Health, Physical and Recreation Education .....	5
P.E. 413—Special Topics in Physical Education .....	5
P.E. 414—Organization and Administration of Physical Education .....	5
D. Twelve quarter hours of activity courses with the last two numbers being between 01 to 09. Four of the following must be included in the twelve: Physical Education 103 or equi- valent, 106, 205, and 207 or WSI (offered by the American Red Cross) .....	12
E. Approved Electives .....	17
Must include History 251 or 252 unless exempted by examination with credit awarded.	
F. Education .....	35
Education 203, 330, 443, 446, 447, 448 .....	30
Psychology 301 .....	5
TOTAL ..	194

\*These courses are offered only at Savannah State College.

### *Course Offerings*

PHYSICAL EDUCATION 101—Conditioning Course. (0-2-1).  
Fall.

Consists of calisthenics, stunts, tumbling, lifts and carries, road  
work, dual combatives, and simple games.

PHYSICAL EDUCATION 102—Team Sports. (0-2-1). Winter.

Consists of two of the following sports: basketball, volleyball,  
softball.



PHYSICAL EDUCATION 103\*—Elementary Swimming. (2-0-1). Fall, Winter, Spring. (P.E. 202 or the American Red Cross WSI course may be substituted for P.E. 103 or 108).

Beginning swimming strokes, skills, and knowledge pertaining to safety in, on, or about water. This course or its equivalent required of all students.

PHYSICAL EDUCATION 104—Bowling. (0-2-1). Fall, Winter, Spring.

Basic skills in bowling.

PHYSICAL EDUCATION 105—Badminton. (0-2-1). Fall, Winter, Spring.

Basic skills in badminton.

PHYSICAL EDUCATION 106—Tumbling and Gymnastics. (0-2-1). Fall.

Fundamentals and practice in elementary tumbling, side horse, parallel bars, and trampoline. Required of Physical Education majors.

PHYSICAL EDUCATION 107—Trampoline. (0-2-1). Winter.

The teaching of the proper care and use of the trampoline. Under strict supervision, the student learns to perform the following skills: seat drop, knee drop, front drop, back drop, pull over, cardle, turntable, swivel hips, spotting, and somersaults.

PHYSICAL EDUCATION 108\*—Intermediate Swimming (0-2-1). Fall, Winter, Spring. (P.E. 202 or the American Red Cross WSI course may be substituted for P.E. 103 or 108).

Five basic strokes, skills, endurance and knowledge pertaining to safety in, on, or about water. Required, if advised by Physical Education Department.

PHYSICAL EDUCATION 115—Officiating of Football. (2-2-2). Fall.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 116—Officiating of Basketball. (2-2-2). Winter.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved

\*Either P.E. 103 or P.E. 108 is required of all students. Students may register for the course for which they feel qualified without taking a swimming test. The instructor of that course will administer the swimming test, and any student enrolled in the improper course will be required to change to the proper course. Any student who holds a valid senior life-saving certificate and/or a valid water safety instructor's certificate and/or passes the Armstrong swimming test may be exempted from the required swimming courses.



community recreation games, and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 117—Basic Health. (2-0-2). Fall, Winter, Spring.

A basic course in health education with emphasis on personal health.

PHYSICAL EDUCATION 200—Handball and Paddleball. (0-2-1). Winter.

Basic instruction in handball and paddleball activities.

PHYSICAL EDUCATION 201—Elementary Tennis. (0-2-1). Fall, Winter, Spring.

Instruction in class organization and methods of teaching skill in tennis.

PHYSICAL EDUCATION 202—Senior Life Saving Course in Swimming. (0-2-1). Spring.

The American Red Cross Senior Life Saving Course. (May be substituted for Physical Education 103 or 108).

PHYSICAL EDUCATION 205—Folk, Square, Social Dancing. (0-2-1). Winter.

Instruction and practice in all forms of folk, square, and social dancing with emphasis on teaching techniques. Required of Physical Education majors. Equivalent course at Savannah State College: P.E. 302.

PHYSICAL EDUCATION 206—Beginning Modern Dance. (0-2-1). Winter.

Basic Interpretative Dancing.

PHYSICAL EDUCATION 207—Swimming Methods and Techniques. (0-2-1). Winter, Spring. Prerequisite: P.E. 108 or equivalent.

Methods and techniques of teaching beginning swimming skills. Required of majors not completing the Water Safety Instructor's Course (offered by the American Red Cross).

PHYSICAL EDUCATION 208—Golf. (0-2-1). Fall, Winter, Spring.

Basic techniques and instruction for the beginning golfer.

PHYSICAL EDUCATION 209—Intermediate Modern Dance. (0-2-1). Spring. Prerequisite: P.E. 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition, and choreography.

PHYSICAL EDUCATION 211—Safety and First Aid. (3-0-2). Fall, Winter, Spring.

The American Red Cross Standard and Advanced course in First Aid. Required of majors. Equivalent course at Savannah State College: H.Ed. 300.

PHYSICAL EDUCATION 212—Coaching Football. (3-0-2). Fall.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of male majors. Equivalent course at Savannah State College: P.E. 410 or 411.

PHYSICAL EDUCATION 213—Coaching Basketball. (3-0-2). Winter.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of male majors. Equivalent course at Savannah State College: P.E. 410 or 411.

PHYSICAL EDUCATION 214—Coaching Baseball and Track. (3-0-2). Spring.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of male majors. Equivalent course at Savannah State College: P.E. 410 or 411.

PHYSICAL EDUCATION 215—Organization and Administration of Athletics. (3-0-3). Spring.

A comprehensive study of theories of organization and administration of athletics. Required of majors.

PHYSICAL EDUCATION 216—History and Principles of Health, Physical and Recreation Education. (5-0-5). Winter, Spring.

Historical and scientific background of the practices in health and physical education. Required of majors. Equivalent course at Savannah State College: P.E. 235.

PHYSICAL EDUCATION 217—Theory and Techniques of Coaching and Officiating Team Sports for Women. (3-0-2). Winter.

Instruction and practice in coaching and officiating women's team sports such as: soccer, field hockey, basketball and volleyball. Required of women majors.

PHYSICAL EDUCATION 218—Personal and Community Hygiene. (5-0-5). Spring.

Principles of health with emphasis upon home, community, mental, and personal health. Must be taken by the major in place of Physical Education 117. Equivalent course at Savannah State College: P.E. 235.

PHYSICAL EDUCATION 228—Structure and Function of the Human Body I. (3-4-5). Fall.

A study of the skeletal and muscle systems of the human body. Credit may not be applied toward the core natural science requirement. Required of majors. Equivalent course at Savannah State College: P.E. 304.

**PHYSICAL EDUCATION 229**—Structure and Function of the Human Body II. (3-4-5). Prerequisite: P.E. 228. Winter.

A continuation of P.E. 228 with emphasis on certain human organ systems such as circulatory, respiratory, nervous and digestive. Credit may not be applied toward the core natural science requirement. Required of majors. Equivalent course at Savannah State College: P.E. 301.

**PHYSICAL EDUCATION 313**—Kinesiology. (3-0-3). Spring. Prerequisite: P.E. 228.

The mechanics of muscles in action. Required of majors.

**PHYSICAL EDUCATION 314**—Skill Techniques. (3-0-3). Fall.

Practice in teaching methods and techniques in individual and dual sports such as: gymnastics, trampoline, badminton, tennis, golf. Required of majors. Prerequisite: the student must have completed courses in at least three of the sports listed or must have permission of the instructor to enroll.

**PHYSICAL EDUCATION 315**—Skill Techniques. (0-2-2). Fall, Winter, Spring. Prerequisite: P.E. 314.

Laboratory experiences consisting of assisting and teaching individual and dual sports such as: gymnastics, trampoline, badminton, tennis, golf. Required of majors. Majors only.

**PHYSICAL EDUCATION 320**—Health and Physical Education for the Elementary School Teacher. (3-2-5). Winter, Summer.

Theory and current practice in the teaching of health and physical education at the elementary school level. Designed to meet the requirement for elementary certification. Equivalent course at Savannah State College: P.E. 233.

**PHYSICAL EDUCATION 410**—Philosophy of Physical Education. (2-0-2). Fall. Prerequisite: P.E. 216.

Interpretation of physical education as a basic part of the living process. Required of majors.

**PHYSICAL EDUCATION 412**—Measurement and Evaluation in Health, Physical and Recreation Education. (5-0-5). Fall.

Lectures, laboratory and field experience in the development, evaluation and application of tests in health and physical education. Required of majors. Equivalent course at Savannah State College: P.E. 403.

**PHYSICAL EDUCATION 413**—Special Topics in Physical Education. (5-0-5). Fall, Winter, Spring. Prerequisite: Education 443.

Research methods in health and physical education. Allows students an opportunity for in-depth pursuit into areas of their interests. Open to majors only. Required of majors.

**PHYSICAL EDUCATION 414**—Organization and Administration of Physical Education. (5-0-5). Spring. Prerequisite: Education 443.



Practice and policies in establishing, administering, and evaluating physical education programs. Such experiences as curriculum planning, budgeting, intramural programs, physical plant planning, and selection, care, and maintenance of equipment are included in this course. Open to majors only. Required of majors. Equivalent course at Savannah State College: P.E. 415.

## PHYSICAL SCIENCE

(See listing under Department of Chemistry and Physics.)

## PHYSICS

(See listing under Department of Chemistry and Physics.)

## DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Professor C. Stewart Worthington, Head; Assistant Professors Douglass, Johnson, Lane, Palefsky, Ralston, Satterfield, and O'Higgins; Instructors Brown, Denham, and Tenenbaum.

Students are advised to complete as many of the general degree requirements as possible before entering their junior years. Psychology majors should take Psychology 101-102 before the end of their sophomore years. Social Work majors should take Social Work 101 and Sociology 201 before the end of their sophomore years. Suggested course distributions and annual schedules are available in the department office. All students are urged to seek advisement from their program directors with regard to degree requirements and scheduling.

### Associate in Science in Mental Health Work

#### I. Major Field Requirements (35 hours)

All of the following:

Mental Health Work 101, 102, 201, 202,  
203, 204, and 205

#### II. Related Fields (35 hours)

A. Psychology 101, 303 or 305, 405, 406

B. Sociology 201

C. Social Work 303, 320, or Sociology 365



### III. Core Curriculum Requirements (38 hours)

- A. English 121, 122
- B. Biology 101, 102
- C. History 251 *or* 252\*
- D. Mathematics 101
- E. Political Science 113\*
- F. Physical Education - 3 credits

\*These courses may be exempted by examination with credit awarded. See "Academic Regulations" and "Degree Programs" sections.

### Bachelor of Arts in Psychology\*

#### I. Major Field Requirements (50 hours)

- A. All of the following: Psychology 102, 308, 312, 410, 411, 412
- B. Two of the following: Psychology 307, 309, 319
- C. Two of the following: Psychology 303, 305, 311

#### II. Related Fields (25 hours)

- A. Biology 101, 102, or approved technical sequence (10 hours)
- B. Foreign Language or Computer Programming (15 hours or equivalent competence)
- C. Mathematics 220.

#### III. Approved Electives (10 to 25 hours)

\*Candidates for this degree should be familiar with general degree requirements as listed in the "Degree Programs" section.

### Bachelor of Arts in Social Work\*

#### I. Major Field Requirements (50 hours)

- A. All of the following: Social Work 250, 303, 320, 451-452 or 453, Sociology 350 or 360, Sociology 340\*\*
- B. Three of the following: Social Work 307 or Sociology 365\*\*, Social Work 309 or 310, Social Work 406 or 410

#### II. Related Fields (30 hours)

- A. Psychology 101, 305 and Psychology 405 or 406
- B. Mental Health 102
- C. Sociology 315\*\*

- D. One of the following: Economics 201; Anthropology 201;  
Political Science 300, 304, 305; Psychology 303;  
Sociology 423

### III. Electives (20 hours)

\*Candidates for this degree should be familiar with general degree requirements as listed in the "Degree Programs" section.

\*\*This course is offered only at Savannah State College.

### Bachelor of Arts in Psychology With Mental Health Work Specialization\*

#### I. Psychology Courses (45 hours)

- A. Psychology 102—Introduction to  
Psychological Research  
Psychology 308—Learning & Motivation  
Psychology 312—Measurement  
Psychology 405—Behavior Disorders  
Psychology 406—Behavior Modification  
Psychology 410—History and Systems  
Psychology 411 (*or* 412)—Senior Seminar

#### B. Two of the following:

- Psychology 307—Perception  
Psychology 309—Physiological Psychology  
Psychology 319—Animal Behavior

#### II. Mental Health Courses (35 hours)\*\*

- Mental Health Work 101—Mental Health Problems  
Mental Health Work 102—Behavior Assessment  
Mental Health Work 201—Behavior Change  
Mental Health Work 202—Clinical Agencies  
Mental Health Work 203, 204, 205—Practicum

#### III. Related Field Requirements (15 hours)

- Mathematics 220  
Approved Science Sequence

#### IV. Electives (15 to 30 Hours)

- \*\*Psychology 303, 305, or 311  
\*\*Sociology 201  
\*\*Social Work 303, 320, or Sociology 365  
Anthropology 201, 300

\*Candidates for this degree should be familiar with general degree requirements as listed in the "Degree Programs" section.

\*\*These courses are required in the Associate Degree program.

## ANTHROPOLOGY

ANTHROPOLOGY 201—Man and His Culture. (5-0-5). Offered on demand.

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

ANTHROPOLOGY 300—Paleoanthropology. (5-0-5). Prerequisite: Anthropology 201. Offered on demand.

A survey of the data that illuminates the evolution of man. The major prehuman and human species, their ecology and cultures, will be discussed.

ANTHROPOLOGY 450—Independent Study. (1-5)-0-(1-5). By invitation of the professor. Offered on demand.

## MENTAL HEALTH WORK

MENTAL HEALTH WORK 101—Introduction to Mental Health Problems. (5-0-5).

Survey of mental health facilities and institutions. Survey of history of mental health movement. Description of services provided, clients served, and administrative structure with emphasis on mental health agencies in Georgia.

MENTAL HEALTH WORK 102—Foundations of Behavior Assessment. (5-0-5). Prerequisite: M.H.W. 101.

Objective observation is emphasized, accurate recording of behavioral observations; collection and use of interview data; introduction to case study methods; use of references in assessment.

MENTAL HEALTH WORK 201—Foundations of Behavioral Change. (5-0-5). Prerequisite: M.H.W. 101.

Survey of theories of personality and behavior changing techniques arising from them. Emphasis on learning theory and environmental influences. Introduction to research methodology.

MENTAL HEALTH WORK 202—General Principles in Clinical Agencies. (5-0-5). Prerequisite: M.H.W. 101.

Introduction to problems in establishing client-therapist relationships, interview techniques; introduction to problems of social, vocational and educational rehabilitation of ex-patients.

MENTAL HEALTH WORK 203-204-205—Practicum. (5 quarter hours each). Prerequisite: M.H.W. 101.

The student will work four hours per day, 5 days per week in a community agency for a period of nine months under the direct

supervision of a professional employed by the agency and under the supervision of the director of the mental health program at the college. Students will meet bi-weekly on the campus for a seminar in which they will discuss among themselves and with the program director their experiences in the various agencies.

## PSYCHOLOGY

PSYCHOLOGY/BIOLOGY 100—Human Sexual Relationships. (3-0-3). Offered on demand.

A scientifically oriented discussion of the anatomy, physiology and psychology of human sexuality. Facts pertinent to population problems and venereal diseases will be included. Emphasis will be on individual responsibility through knowledge. Credit for either Biology or Psychology.

PSYCHOLOGY 101—General Psychology. (5-0-5). Offered each quarter.

An introduction to the vocabulary, concepts, and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite to all other courses in the department.

PSYCHOLOGY 102—Introduction to Psychological Research. (4-2-5). Prerequisite: Psychology 101. Spring and Fall.

An introduction to scientific methodology and its application to behavior analysis. Various techniques of data collection and the statistical analysis of such data are emphasized.

PSYCHOLOGY 301—Educational Psychology. (5-0-5). Prerequisite: Psychology 101. Fall and Winter.

The application of behavioral science to the problem of learning in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 303—Social Psychology. (5-0-5). Prerequisite: Psychology 101. Fall.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effects on behavior.

PSYCHOLOGY 305—Developmental Psychology. (5-0-5). Prerequisite: Psychology 101. Winter and Spring.

A study of the origin and development of psychological processes. The effects of maturational, learning, and social variables on human behavior are examined.

PSYCHOLOGY 307—Perception. (4-2-5). Prerequisites: Psychology 101, 102. Fall.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychophysical methods.



PSYCHOLOGY 308—Learning and Motivation. (4-2-5). Prerequisites: Psychology 101, 102. Winter.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

PSYCHOLOGY 309—Physiological Psychology. (4-2-5). Prerequisites: Psychology 101 and Biology 101, 102. Spring.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSYCHOLOGY 311—Theories of Personality. (5-0-5). Prerequisite: Psychology 101. Spring.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSYCHOLOGY 312—Measurement. (5-0-5). Prerequisite: Psychology 102. Fall.

An examination of the theory of measurement. Reliability and validity techniques are discussed, using current psychological tests as examples.

PSYCHOLOGY 319—Animal Behavior. (4-2-5). Prerequisites: Psychology 101, 102. Winter.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide experience in animal care, training, and experimentation.

PSYCHOLOGY 320—Industrial Psychology. (5-0-5). Prerequisite: Psychology 101. Spring.

The applications of psychology to the problems of industry. Primarily for business majors.

PSYCHOLOGY 405—Behavior Disorders. (5-0-5). Prerequisite: Psychology 101. Winter.

A study of deviant behavior, types of behavior disorders, and methods of behavior modification. Application of principles derived from basic research will be emphasized.

PSYCHOLOGY 406—Behavior Modification. (5-0-5). Prerequisite: Psychology 101. Spring.

A study of proven methods of generating behavioral change, their empirical foundations, and their applications in clinical, educational and social settings.

PSYCHOLOGY 410—History of Psychology. (5-0-5). Open only to psychology majors or by invitation of the professor. Fall.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical basis at various times in the history of psychology.

PSYCHOLOGY 411—Senior Seminar. (5-0-5). Open only to senior psychology majors or by invitation of the professor. Winter.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 412—Senior Seminar. (5-0-5). Open only to senior psychology majors or by invitation of the professor. Spring.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 450—Independent Study. (1-5)-0-(1-5). Open only by invitation of the professor. Offered on demand.

## SOCIAL WORK

SOCIAL WORK 250—Introduction to Human Services. (5-0-5). Offered each quarter.

A study of the origins and evolution of the American Social Welfare system, with emphasis on themes and patterns leading the present system and approach to services.

SOCIAL WORK 303—Interviewing Methods and Techniques. (4-2-5). Prerequisite: Social Work 250 and Sociology 201. Spring and Fall.

An examination of methodology in casework, group work, and family treatment, with emphasis on interpersonal communications, role playing, and recording.

SOCIAL WORK 310—Community Social Systems. (4-2-5). Prerequisites: Sociology 201 and Social Work 250.

A socio-political study of behavior in leadership or decision making positions as it affects social and human needs. Examines public education, social welfare agencies, and health care agencies.

SOCIAL WORK 309—Group Process. (5-0-5). Prerequisites: Sociology 201 and Social Work 303. Exceptions made with approval of professor.

A course which utilizes the group experience documented by tape recorder, video tape, and subjective perceptual comparison. It is designed to analyze behavior patterns, roles, and interactions which occur within a group and to develop self-awareness.

SOCIAL WORK 320—Ethnic Minority Groups. (5-0-5). Prerequisites: Social Work 250 or Sociology 201.

This course deals with the present and factual situation of minority groups in America. It will cover problems, causes, agencies, advocates, goals, and alternatives available to minority groups. Emphasis is on the Black American with proportionate attention

given to the Chinese American, Chicano, native American, and other sizeable minorities.

**SOCIAL WORK 370—Community Service Learning Experience.** (5 hours credit). Offered on demand. Prerequisites: Sociology 201 and/or Social Work 250 and approval of instructor.

This is a supervised community experience which would precede the more in-depth experience which comes in the field experience practicum. It is designed to permit a student, otherwise qualified, to be employed and earn 5 hours credit. The student must undergo a behaviorally oriented workshop and must meet with faculty and field instructor periodically through the work experience. He must present a paper and successfully complete an oral examination before receiving credit for the course.

**SOCIAL WORK 406—Child Welfare.** (4-2-5). Prerequisite: Social Work 250 and 303.

A study of child development and behavior at various life stages with emphasis on methods of assisting a child with social, economic, and emotional needs.

**SOCIAL WORK 410—Human Services to the Elderly.** (5-0-5). Winter. Prerequisite: Social Work 303.

A course designed for students going into public or private agencies serving the elderly. Emphasis will be placed on the social, economic, and health needs of the elderly with attention to delivery systems that work. New knowledge, research, and actual projects will be studied where practicable.

**SOCIAL WORK 430—Treatment of Dependence Addiction.** (5-0-5). Summer. Prerequisite: Social Work 303.

A course focusing on the various forms of drug and alcohol addiction, effective means of treatment, rehabilitation, and prevention of drug and alcohol abuse based on the latest factual and documented information.

**SOCIAL WORK 451-452—Field Experience.** (5 credit hours each).

A student experience in the delivery of human services to increase his knowledge and ability under professional supervision. Each student will work in an agency setting the equivalent of two full days per week. There will be a weekly meeting with the Field Work Coordinator. For senior social work students only.

**SOCIAL WORK 453—Field Experience Block.** (15 credit hours).

A student experience in the delivery of human services to increase his knowledge and ability under professional supervision. Each student will work in an agency setting the equivalent of five full days per week. There will be a weekly meeting with the Field Work Coordinator. For senior social work students only.



SOCIAL WORK 475—Senior Seminar. (5-0-5). Spring.

Social work, as a human service profession, directs its attention to any social problem which is amenable to treatment and prevention. The seminar will be geared to recent changes in the structure, function, process, and goals of the human service delivery system and the underlying reasons for these changes.

SOCIAL WORK 490—Independent Study. (1-5)-0-(1-5). Invitation of professor.

Experiential based study of a selected social work topic.

SOCIAL WORK 491—Independent Study. (1-5)-0-(1-5). Invitation of professor.

Research and experiential based study in social work topic of student interest or specialty.

## SOCIOLOGY

SOCIOLOGY 201—Introductory Sociology. (5-0-5). Offered each quarter.

An introduction to the concept and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society, and the major institutions and processes.

SOCIOLOGY 350—Social Problems. (5-0-5). Prerequisite: Sociology 201. Winter and Spring.

An examination of behavioral deviancy, normative strain, and differences between social ideals and social realities in the context of sociological theory.

SOCIOLOGY 360—Urban Society. (5-0-5). Prerequisite: Sociology 201. Offered on demand.

A sociological examination of human ecology, norms, social control, and social processes (and their changing patterns) as they are seen in urban social life in both a historical and contemporary perspective.

SOCIOLOGY 423—Criminology. (5-0-5). Prerequisite: Sociology 201. Fall and Winter.

A survey of the nature of crime, criminal statistics, and theories of criminal causation and control. An examination of crime as a social problem, the criminal, and theories of punishment, treatment and prevention.

SOCIOLOGY 450—Independent Study. (1-5)-0-(1-5). By invitation of the professor. Offered on demand.

## SOCIAL WORK

(See listing under Department of Psychology and Sociology.)



## SPANISH

(See listing under Department of Languages and Literature.)

## SPECIAL EDUCATION (Speech Correction)

(See listing under Department of Education.)

## SPEECH

(See listing under Department of Languages and Literature.)

## ZOOLOGY

(See listing under Department of Biology.)



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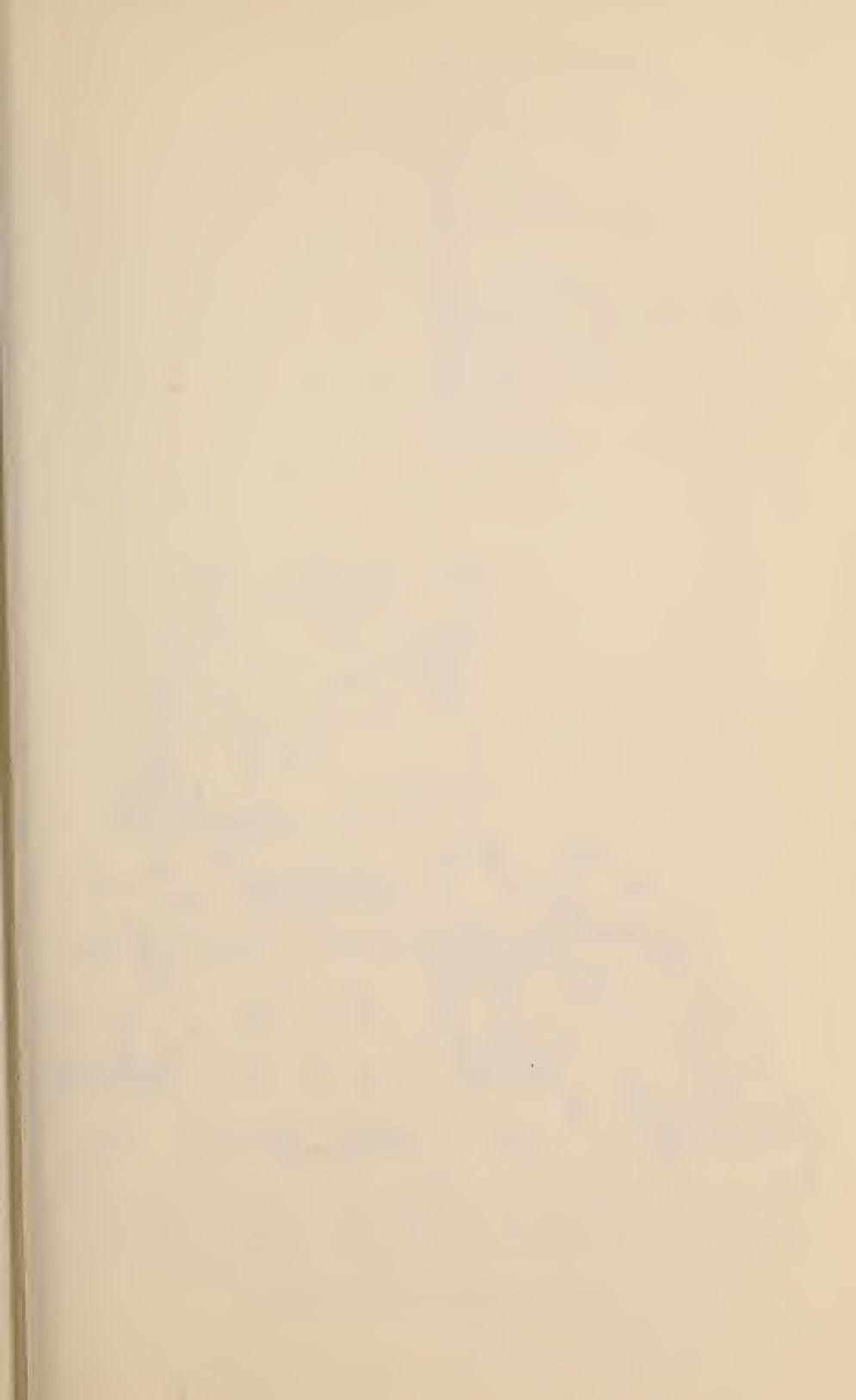
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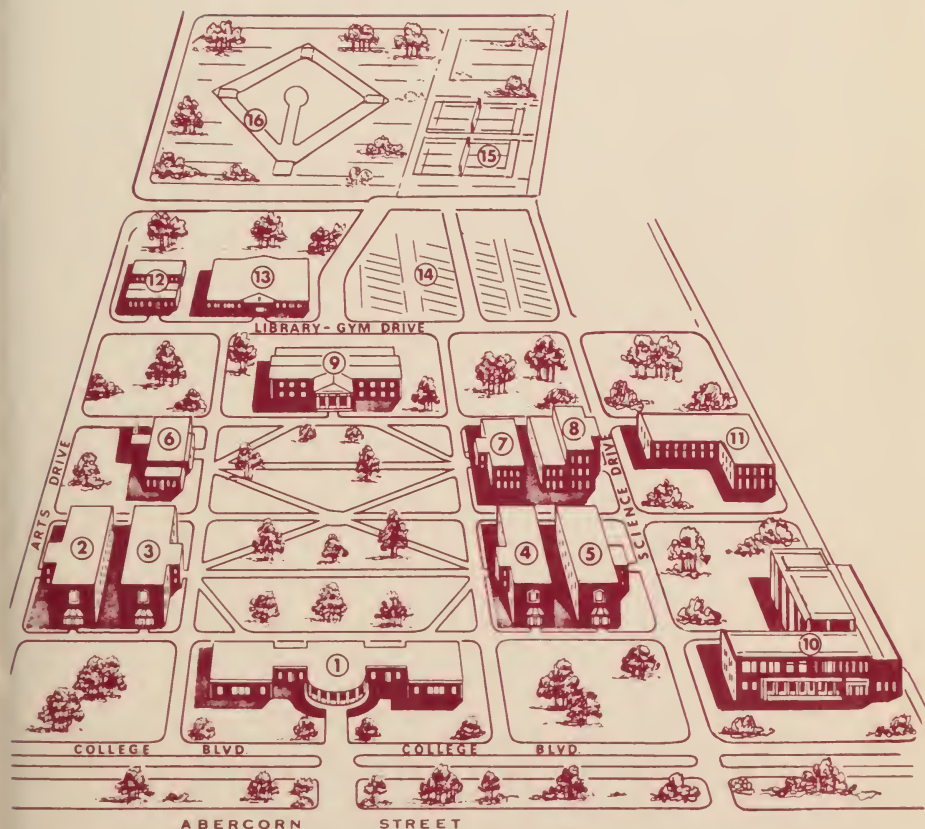








1. Administration Building
2. Victor Hall
3. Gamble Hall
4. Science Hall
5. Solms Hall
6. Jenkins Hall
7. Student Services
8. Memorial College Center
9. Lane Library
10. Fine Arts Building  
(under construction)
11. Health Professions Education Center  
(approved for construction)
12. Maintenance Building
13. Gymnasium and Pool
14. Parking Area
15. Tennis Courts
16. Intramural Field



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